MOHAMED WIEM MKAOUER

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EDUCATION

2016 **Ph.D**
Computer and Information Science · University of Michigan-Dearborn

2010 **M.S**
Computer Science · University of Tunis, Tunisia

2007 **B.S**
Computer Science · University of Tunis, Tunisia

WORK EXPERIENCE

08/2016 - Present	**Rochester Institute of Technology** Assistant professor · Software Engineering Dept
05/2019 - 07/2019	**ETS, Montreal, Canada** Visiting Researcher · Software Engineering and IT Dept
06/2014 - 08/2014	**Starcom MediaVest** Software Engineer Intern · Data Analytics Dept
2013 - 2016	**University of Michigan-Dearborn** Teaching Assistant · Computer and Information Science Dept
2012 - 2016	**University of Michigan-Dearborn** Research Assistant · Computer and Information Science Dept
2008 - 2012	**Hydraulic Materials & Tech** Software Engineer · Software Development Dept

TEACHING EXPERIENCE

(In reverse chronological order, RIT indicates Rochester Institute of Technology, UM-D indicates University of Michigan-Dearborn)

2021 - Present	**Software Engineering for Data Science (DSCI 644)** RIT · Graduate Course
2020 - Present	**Software Quality Assurance (SWEN-777)** RIT · Graduate Course
2016 - Present	**Software Testing (SWEN-352)** RIT · UnderGraduate Course
2017 - 2019	**Software Evolution & Re-Engineering (SWEN-749)** RIT · Graduate Course
2016 - 2017	**Software Quality Engineering (SWEN-772)** RIT · Graduate Course
2016 - 2016	**Data Structures (CIS-350)** UM-D · UnderGraduate Course
2015 - 2015	**Algorithms Analysis and Design (CIS-405/505)** UM-D · Graduate & UnderGraduate Course
2015 - 2015	**Software Engineering I (CIS-375)** UM-D · UnderGraduate Course
2015 - 2015	**Java Programming (CIS-296)** UM-D · UnderGraduate Course
2015 - 2015	**Software Design Patterns (CIS-476/566)** UM-D · Graduate & UnderGraduate Course
2015 - 2015	**Computer Science I (CIS-150)** UM-D · UnderGraduate Course

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PEER-REVIEWED PUBLICATIONS

(In reverse chronological order, Bold indicates self, Italic indicates RIT faculty, (*) indicates own Ph.D. students, (+) indicates own Master students, (#) indicates own Undergraduate students) – For journals, Q is according to SJR2020. For journals and conferences, the Rank (class) is according to CORE2020-2021/QUALIS2020.

Book Chapters (3 Chapter Publications)

1. Eman Abdullah AlOmar (*), Mohamed Wiem Mkaouer, Ali Ouni. " Mining and Managing Big Data Refactoring for Design Improvement: Are We There Yet?" Knowledge Management in the Development of Data-Intensive Systems, to appear. SRC, 2021

2. Alrubaye, Hussein (*), Peruma, Anthony (*), Mohamed Wiem Mkaouer. "Variability in Library Evolution: An Exploratory Study on Open-Source Java Libraries." Software Engineering for Variability Intensive Systems: Foundations and Applications (SEVIS), pp. 295. SRC, 2019.

3. Mkaouer, Mohamed Wiem, and Marouane Kessentini. "Model transformation using multi-objective optimization." In Advances in Computers, vol. 92, pp. 161-202. Elsevier, 2014

Journal Papers (39 Journal Publications)

1. Aljedaani, Wajdi (*), Rrezarta Krasniqi, Sanaa Aljedaani, Mohamed Wiem Mkaouer, Stephanie Ludi, and Khaled Al-Raddah. "If online learning works for you, what about deaf students? Emerging challenges of

online learning for deaf and hearing-impaired students during COVID-19: a literature review." Universal access in the information society (2022): 1-20. [Q2]

2. Messaoud, Montassar Ben, Asma Miladi, Ilyes Jenhani, Mohamed Wiem Mkaouer, and Lobna Ghadhab. "Duplicate Bug Report Detection Using an Attention-Based Neural Language Model." IEEE Transactions on Reliability (2022). [Q1, Rank A]

3. Sellami, Khaled, Ali Ouni, Mohamed Aymen Saied, Salah Bouktif, and Mohamed Wiem Mkaouer. "Improving microservices extraction using evolutionary search." Information and Software Technology 151 (2022): 106996. [Q1, Rank A]

4. Saidani, Islem, Ali Ouni, Md Ahasanuzzaman, Safwat Hassan, Mohamed Wiem Mkaouer, and Ahmed E. Hassan. "Tracking bad updates in mobile apps: a search-based approach." Empirical Software Engineering 27, no. 4 (2022): 1-42. [Q1, Rank A]

5. Alshoaibi, Deema (*), Mohamed Wiem Mkaouer, Ali Ouni, AbdulMutalib Wahaishi, Travis Desell, and Makram Soui. "Search-based Detection of Code Changes Introducing Performance Regression." Swarm and Evolutionary Computation (2022): 101101. [Q1]

6. Saidani, Islem, Ali Ouni, and Mohamed Wiem Mkaouer. "Improving the prediction of a continuous integration build failures using deep learning." Automated Software Engineering 29, no. 1 (2022): 1-61. [Q2, Rank B]

7. Alomar, Eman Abdullah (*), Tianjia Wang (+), Vaibhavi Raut (+), Mohamed Wiem Mkaouer, Christian Newman, and Ali Ouni. "Refactoring for reuse: an empirical study." Innovations in Systems and Software Engineering (2022): 1-31. [Q3]

8. Saidani, Islem, Ali Ouni, Md Ahasanuzzaman, Safwat Hassan, Mohamed Wiem Mkaouer, and Ahmed E. Hassan. "Tracking bad updates in mobile apps: a search-based approach." Empirical Software Engineering 27, no. 4 (2022): 1-42. [Q1, Rank A]

9. AlOmar, Eman Abdullah (*), Jiaqian Liu (#), Kenneth Addo, Mohamed Wiem Mkaouer, Christian Newman, Ali Ouni, and Zhe Yu. "On the documentation of refactoring types." Automated Software Engineering 29, no. 1 (2022): 1-40. [Q2, Rank B]

10. Peruma, Anthony, Steven Simmons (+), Eman Abdullah AlOmar (*), Christian D. Newman, Mohamed Wiem Mkaouer, and Ali Ouni. "How do I refactor this? An empirical study on refactoring trends and topics in Stack Overflow." Empirical Software Engineering 27, no. 1 (2022): 1-43. [Q1, Rank A]

11. Hamdi, Oumayma, Ali Ouni, Mel Ó. Cinnéide, and Mohamed Wiem Mkaouer. "A longitudinal study of the impact of refactoring in android applications." Information and Software Technology 140 (2021): 106699. [Q1, Rank A]

12. Saidani, Islem, Ali Ouni, and Mohamed Wiem Mkaouer. "Detecting skipped commits in continuous integration using multi-objective evolutionary search." IEEE Transactions on Software Engineering (2021). [Q1, Rank A]

13. Saidani, Islem, Ali Ouni, Mohamed Wiem Mkaouer, and Fabio Palomba. "On the impact of Continuous Integration on refactoring practice: An exploratory study on TravisTorrent." Information and Software Technology 138 (2021): 106618. [Q1, Rank A]

14. Daaji, Marwa, Ali Ouni, Mohamed Mohsen Gammoudi, Salah Bouktif, and Mohamed Wiem Mkaouer. "Multi-criteria Web Services Selection: Balancing the Quality of Design and Quality of Service." ACM Transactions on Internet Technology (TOIT) 22, no. 1 (2021): 1-31. [Q1, Rank B]

15. AlOmar, Eman Abdullah (*), Anthony Peruma, Mohamed Wiem Mkaouer, Christian D. Newman, and Ali Ouni. "Behind the scenes: On the relationship between developer experience and refactoring." Journal of Software: Evolution and Process (2021): e2395. [Q2, Rank B]

16. Bessghaier, Narjes, Ali Ouni, and Mohamed Wiem Mkaouer. "A longitudinal exploratory study on code smells in server-side web applications." Software Quality Journal 29, no. 4 (2021): 901-941. [Q3, Rank C]

17. Newman, Christian D., Michael J. Decker, Reem Alsuhaibani, Anthony Peruma, Mohamed Mkaouer, Satyajit Mohapatra, Tejal Vishoi, Marcos Zampieri, Timothy Sheldon, and Emily Hill. "An ensemble approach for annotating source code identifiers with part-of-speech tags." IEEE Transactions on Software Engineering (2021). [Q1, Rank A]

18. AlOmar, Eman Abdullah (*), Mohamed Wiem Mkaouer, Christian Newman, and Ali Ouni. "On preserving the behavior in software refactoring: A systematic mapping study." Information and Software Technology 140 (2021): 106675. [Q2, Rank A]

19. Ghadhab, Lobna, Ilyes Jenhani, Mohamed Wiem Mkaouer, and Montassar Ben Messaoud. "Augmenting commit classification by using fine-grained source code changes and a pre-trained deep neural language model." Information and Software Technology 135 (2021): 106566. [Q2, Rank A]

20. AlOmar, Eman Abdullah (*), Anthony Peruma, Mohamed Wiem Mkaouer, Christian Newman, Ali Ouni, and Marouane Kessentini. "How we refactor and how we document it? on the use of supervised machine learning algorithms to classify refactoring documentation." Expert Systems with Applications 167 (2021): 114176. [Q1, Rank B]

21. Marmolejos, Licelot (+), Eman Abdullah AlOmar (*), Mohamed Wiem Mkaouer, Christian Newman, and Ali Ouni. "On the use of textual feature extraction techniques to support the automated detection of refactoring documentation." Innovations in Systems and Software Engineering (2021): 1-17. [Q3]

22. Chouchen, Moataz, Ali Ouni, Mohamed Wiem Mkaouer, Raula Gaikovina Kula, and Katsuro Inoue. "WhoReview: A multi-objective search-based approach for code reviewers recommendation in modern code review." Applied Soft Computing 100 (2021): 106908. [Q1, Rank C]

23. Soui, Makram, Mabrouka Chouchane, Narjes Bessghaier, Mohamed Wiem Mkaouer, and Marouane Kessentini. "On the Impact of Aesthetic Defects on the Maintainability of Mobile Graphical User Interfaces: An Empirical Study." Information Systems Frontiers (2021): 1-18. [Q1]

24. Ye, Xin, Yongjie Zheng, Wajdi Aljedaani, and Mohamed Wiem Mkaouer. "Recommending pull request reviewers based on code changes." Soft Computing 25, no. 7 (2021): 5619-5632. [Q2, Rank C]

25. Almhana, Rafi, Marouane Kessentini, and Mohamed Wiem Mkaouer. "Method-level bug localization using hybrid multi-objective search." Information and Software Technology 131 (2021): 106474. [Q1, Rank A]

26. Saidani, Islem, Ali Ouni, Moataz Chouchen, and Mohamed Wiem Mkaouer. "Predicting continuous integration build failures using evolutionary search." Information and Software Technology 128 (2020): 106392. [Q1, Rank A]

27. Newman, Christian D., Reem S. AlSuhaibani, Michael J. Decker, Anthony Peruma, Dishant Kaushik, Mohamed Wiem Mkaouer, and Emily Hill. "On the generation, structure, and semantics of grammar patterns in source code identifiers." Journal of Systems and Software 170 (2020): 110740. [Q1, Rank A]

28. AlOmar, Eman Abdullah (*), Anthony Peruma, Mohamed Wiem Mkaouer, Christian Newman, Ali Ouni, and Marouane Kessentini. "How we refactor and how we document it? On the use of supervised machine learning algorithms to classify refactoring documentation." Expert Systems with Applications (2020): 114176. [Q1, Rank B]

29. Peruma, Anthony, Mohamed Wiem Mkaouer, Michael J. Decker, and Christian D. Newman. "Contextualizing rename decisions using refactorings, commit messages, and data types." Journal of Systems and Software 169 (2020): 110704. [Q1, Rank A]

30. Alkhazi, Bader, Andrew DiStasi (+), Wajdi Aljedaani (*), Hussein Alrubaye (*), Xin Ye, and Mohamed Wiem Mkaouer. "Learning to rank developers for bug report assignment." Applied Soft Computing 95 (2020): 106667. [Q1, Rank C]

31. Almarimi, Nuri, Ali Ouni, and Mohamed Wiem Mkaouer. "Learning to detect community smells in open source software projects." Knowledge-Based Systems 204 (2020): 106201. [Q1, Rank B]

32. Alrubaye, Hussein (*), Mohamed Wiem Mkaouer, Igor Khokhlov, Leon Reznik, Ali Ouni, and Jason Mcgoff. "Learning to recommend third-party library migration opportunities at the API level." Applied Soft Computing 90 (2020): 106140. [Q1, Rank C]

33. AlOmar, Eman Abdullah (*), Mohamed Wiem Mkaouer, and Ali Ouni. "Toward the automatic classification of self-affirmed refactoring." Journal of Systems and Software 171 (2020): 110821. [Q1, Rank A]

34. Almarimi, Nuri, Ali Ouni, Salah Bouktif, Mohamed Mohamed Wiem Mkaouer, Raula Gaikovina Kula, and Mohamed Aymen Saied. "Web service API recommendation for automated mashup creation using multi-objective evolutionary search." Applied Soft Computing 85 (2019): 105830. [Q1, Rank C]

35. Almarimi, Nuri, Ali Ouni, Salah Bouktif, Mohamed Wiem Mkaouer, Raula Gaikovina Kula, and Mohamed Aymen Saied. "Web service API recommendation for automated mashup creation using multi-objective evolutionary search." Applied Soft Computing (2019): 105830. [Q1, Rank C]

36. McBurney, Paul W., Siyuan Jiang, Marouane Kessentini, Nicholas A. Kraft, Ameer Armaly, Mohamed Wiem Mkaouer, and Collin McMillan. "Towards Prioritizing Documentation Effort." IEEE Transactions on Software Engineering, 2017. [Q1, Rank A]

37. Mkaouer, Mohamed Wiem, Marouane Kessentini, Mel Ó. Cinnéide, Shinpei Hayashi, and Kalyanmoy Deb. "A robust multi-objective approach to balance severity and importance of refactoring opportunities." Empirical Software Engineering 22, no. 2 (2017): 894-927. [Q1, Rank A]

38. Mkaouer, Mohamed Wiem, Marouane Kessentini, Slim Bechikh, Mel Ó. Cinnéide, and Kalyanmoy Deb. "On the use of many quality attributes for software refactoring: a many-objective search-based software engineering approach." Empirical Software Engineering 21, no. 6 (2016): 2503-2545. [Q1, Rank A]

39. Mkaouer, Mohamed Wiem, Marouane Kessentini, Adnan Shaout, Patrice Koligheu, Slim Bechikh, Kalyanmoy Deb, and Ali Ouni. "Many-objective software remodularization using NSGA-III." ACM Transactions on Software Engineering and Methodology (TOSEM) 24, no. 3 (2015): 17. [Q1, Rank A]

Conference and Workshop papers (65 conference publications)

1. Eman Abdullah AlOmar (*), Golubev, Yaroslav, Zarina Kurbatova, Timofey Bryksin, and Mohamed Wiem Mkaouer. "One thousand and one stories: a large-scale survey of software refactoring." In Proceedings of The 37th IEEE/ACM International Conference on Automated Software Engineering (ASE), to appear. 2022. [Class A*]

2. Alomar, Eman Abdullah (*), Anthony Peruma, Mohamed Wiem Mkaouer, Christian D. Newman, and Ali Ouni. “An Exploratory Study on Refactoring Documentation in Issues Handling.” In 2022 IEEE/ACM 19th International Conference on Mining Software Repositories (MSR), to appear. 2022. [Class A]

3. Peruma, Anthony, Eman Abdullah Alomar (*), Christian D. Newman, Mohamed Wiem Mkaouer, and Ali Ouni. “Refactoring Debt: Myth or Reality? An Exploratory Study on the Relationship Between Technical Debt and Refactoring.” In 2022 IEEE/ACM 19th International Conference on Mining Software Repositories (MSR) (2022): 127-131. [Class A] [Best Mining Challenge Paper Award] [Best Student Paper Award]

4. Alomar, Eman Abdullah (*), Moataz Chouchen, Mohamed Wiem Mkaouer, and Ali Ouni. “Code Review Practices for Refactoring Changes: An Empirical Study on OpenStack.” In 2022 IEEE/ACM 19th International Conference on Mining Software Repositories (MSR), to appear. 2022. [Class A]

5. Alexandre, Richardson, Ali Ouni, Mohamed Aymen Saied, Salah Bouktif, and Mohamed Wiem Mkaouer. "On the Identification of Third-Party Library Usage Patterns for Android Applications." In The International Conference on Evaluation and Assessment in Software Engineering 2022, pp. 255-259. 2022. [Class A]

6. Reyes Arias, Jose E., Kale Kurtzhall, Di Pham, Mohamed Wiem Mkaouer, and Yasmine N. Elglaly. "Accessibility Feedback in Mobile Application Reviews: A Dataset of Reviews and Accessibility Guidelines." In CHI Conference on Human Factors in Computing Systems Extended Abstracts, pp. 1-7. 2022. [Class A*]

7. Aljedaani, Wajdi (*), Mohamed Wiem Mkaouer, Stephanie Ludi, Ali Ouni, and Ilyes Jenhani. "On the identification of accessibility bug reports in open source systems." In Proceedings of the 19th International Web for All Conference (W4A), pp. 1-11. 2022. [Class B]

8. ALShoaibi, Deema (*), Hiten Gupta (+), Max Mendelson (+), Ilyes Jenhani, Ali Ben Mrad, and Mohamed Wiem Mkaouer. "Learning to characterize performance regression introducing code changes." In Proceedings of the 37th ACM/SIGAPP Symposium on Applied Computing, pp. 1590-1597. 2022. [Class B]

9. Aljedaani, Wajdi (*), Mohamed Wiem Mkaouer, Stephanie Ludi, and Yasir Javed. "Automatic Classification of Accessibility User Reviews in Android Apps." In 2022 7th International Conference on Data Science and Machine Learning Applications (CDMA), pp. 133-138. IEEE, 2022. [Class C]

10. Deshpande, Niranjana, Mohamed Wiem Mkaouer, Ali Ouni, and Naveen Sharma. "Search-Based Third-Party Library Migration at the Method-Level." In International Conference on the Applications of Evolutionary Computation (Part of EvoStar), pp. 173-190. Springer, Cham, 2022. [Class B]

11. Aljedaani, Wajdi (*), Anthony Peruma, Ahmed Aljohani (+), Mazen Alotaibi (+), Mohamed Wiem Mkaouer, Ali Ouni, Christian D. Newman, Abdullatif Ghallab, and Stephanie Ludi. "Test smell detection tools: A systematic mapping study." Evaluation and Assessment in Software Engineering (2021): 170-180. [Class A]

12. Peruma, Anthony, Emily Hu, Jiajun Chen, Eman Abdullah AlOmar (*), Mohamed Wiem Mkaouer, and Christian D. Newman. "Using grammar patterns to interpret test method name evolution." In 2021 IEEE/ACM 29th International Conference on Program Comprehension (ICPC), pp. 335-346. IEEE, 2021. [Class A]

13. Chouchen, Moataz, Ali Ouni, Raula Gaikovina Kula, Dong Wang, Patanamon Thongtanunam, Mohamed Wiem Mkaouer, and Kenichi Matsumoto. "Anti-patterns in modern code review: Symptoms and prevalence." In 2021 IEEE international conference on software analysis, evolution and reengineering (SANER), pp. 531-535. IEEE, 2021. [Class A]

14. Almarimi, Nuri, Ali Ouni, Moataz Chouchen, and Mohamed Wiem Mkaouer. "csDetector: an open-source tool for community smells detection." In Proceedings of the 29th ACM Joint Meeting on European Software Engineering Conference and Symposium on the Foundations of Software Engineering, pp. 1560-1564. 2021. [Class A*]

15. Saidani, Islem, Ali Ouni, Moataz Chouchen, and Mohamed Wiem Mkaouer. "Bf-detector: an automated tool for ci build failure detection." In Proceedings of the 29th ACM Joint Meeting on European Software Engineering Conference and Symposium on the Foundations of Software Engineering, pp. 1530-1534. 2021. [Class A*]

16. Golubev, Yaroslav, Zarina Kurbatova, Eman Abdullah AlOmar (*), Timofey Bryksin, and Mohamed Wiem Mkaouer. "One thousand and one stories: a large-scale survey of software refactoring." In Proceedings of the 29th ACM Joint Meeting on European Software Engineering Conference and Symposium on the Foundations of Software Engineering, pp. 1303-1313. 2021. [Class A*]

17. AlOmar, Eman Abdullah (*), Hussein AlRubaye (*), Mohamed Wiem Mkaouer, Ali Ouni, and Marouane Kessentini. "Refactoring practices in the context of modern code review: An industrial case study at Xerox." In 2021 IEEE/ACM 43rd International Conference on Software Engineering: Software Engineering in Practice (ICSE-SEIP), pp. 348-357. IEEE, 2021. [Class A*]

18. Hamdi, Oumayma, Ali Ouni, Eman Abdullah AlOmar (*), Mel O. Cinnéide, and Mohamed Wiem Mkaouer. "An empirical study on the impact of refactoring on quality metrics in android applications." In 2021 IEEE/ACM 8th International Conference on Mobile Software Engineering and Systems (MobileSoft), pp. 28-39. IEEE, 2021. [Class C]

19. Lyu, Zimeng, Joshua Karns, AbdElRahman ElSaid, Mohamed Mkaouer, and Travis Desell. "Improving Distributed Neuroevolution Using Island Extinction and Repopulation." In International Conference on the Applications of Evolutionary Computation (Part of EvoStar), pp. 568-583. Springer, Cham, 2021. [Class B]

20. Lyu, Zimeng, AbdElRahman ElSaid, Joshua Karns, Mohamed Mkaouer, and Travis Desell. "An experimental study of weight initialization and Lamarckian inheritance on neuroevolution." In International Conference on the Applications of Evolutionary Computation (Part of EvoStar), pp. 584-600. Springer, Cham, 2021. [Class B]

21. AlOmar, Eman Abdullah (*), Wajdi Aljedaani (*), Murtaza Tamjeed (+), Mohamed Wiem Mkaouer, and Yasmine N. El-Glaly. "Finding the Needle in a Haystack: On the Automatic Identification of Accessibility User Reviews." In The ACM Conference on Human Factors in Computing Systems (2021), pp. 1-15. 2021. [Rank A*]

22. Ouni, Ali, Mohamed Wiem Mkaouer. "Search-based software engineering: challenges, opportunities, and recent applications." In Proceedings of 2021 Genetic and Evolutionary Computation Conference Companion, pp. 1032-1063. 2021. [Class A]

23. Hamdi, Oumayma, Ali Ouni, Eman Abdullah AlOmar (*), and Mohamed Wiem Mkaouer. "An empirical study on code smells co-occurrences in android applications." In 2021 36th IEEE/ACM International Conference on Automated Software Engineering Workshops (ASEW), pp. 26-33. IEEE, 2021.

24. Aljedaani, Wajdi (*), Furqan Rustam, Stephanie Ludi, Ali Ouni, and Mohamed Wiem Mkaouer. "Learning sentiment analysis for accessibility user reviews." In 2021 36th IEEE/ACM International Conference on Automated Software Engineering Workshops (ASEW), pp. 239-246. IEEE, 2021.

25. AlOmar, Eman Abdullah (*), Diego Barinas (+), Jiaqian Liu (#), Mohamed Wiem Mkaouer, Ali Ouni, and Christian Newman. "An exploratory study on how software reuse is discussed in stack overflow." In International Conference on Software and Software Reuse, pp. 292-303. Springer, Cham, 2020. [Rank B]

26. Chouchen, Moataz, Ali Ouni, and Mohamed Wiem Mkaouer. "AndroLib: Third-party software library recommendation for android applications." In International Conference on Software and Software Reuse, pp. 208-225. Springer, Cham, 2020. [Rank B]

27. Alrubaye, Hussein (*), Deema Alshoaibi (*), Eman Alomar (*), Mohamed Wiem Mkaouer, and Ali Ouni. "How does library migration impact software quality and comprehension? An empirical study." In International Conference on Software and Software Reuse, pp. 245-260. Springer, Cham, 2020. [Rank B]

28. AlOmar, Eman Abdullah (*), Philip T. Rodriguez (+), Jordan Bowman (#), Tianjia Wang (+), Benjamin Adepoju (+), Kevin Lopez (+), Christian Newman, Ali Ouni, and Mohamed Wiem Mkaouer. "How Do Developers Refactor Code to Improve Code Reusability?." In International Conference on Software and Software Reuse, pp. 261-276. Springer, Cham, 2020. [Rank B]

29. Peruma, Anthony, Khalid Almalki (+), Christian D. Newman, Mohamed Wiem Mkaouer, Ali Ouni, and Fabio Palomba. "tsDetect: an open source test smells detection tool." In Proceedings of the 28th ACM Joint Meeting on European Software Engineering Conference and Symposium on the Foundations of Software Engineering, pp. 1650-1654. 2020. [Rank A*]

30. Saidani, Islem, Ali Ouni, and Mohamed Wiem Mkaouer. "Web Service API Anti-patterns Detection as a Multi-label Learning Problem." In International Conference on Web Services, pp. 114-132. Springer, Cham, 2020. [Rank A]

31. Chouchen, Motaz, Ali Ouni, Mohamed Wiem Mkaouer, Raula Gaikovina Kula, and Katsuro Inoue. "Recommending peer reviewers in modern code review: a multi-objective search-based approach." In Proceedings of the 2020 Genetic and Evolutionary Computation Conference Companion, pp. 307-308. 2020. [Rank A]

32. Saidani, Islem, Ali Ouni, Moataz Chouchen, and Mohamed Wiem Mkaouer. "On the prediction of continuous integration build failures using search-based software engineering." In Proceedings of the 2020 Genetic and Evolutionary Computation Conference Companion, pp. 313-314. 2020. [Rank A]

33. AlOmar, Eman Abdullah (*), Anthony Peruma, Christian D. Newman, Mohamed Wiem Mkaouer, and Ali Ouni. "On the relationship between developer experience and refactoring: An exploratory study and preliminary results." In Proceedings of the IEEE/ACM 42nd International Conference on Software Engineering Workshops, pp. 342-349. 2020.

34. Bogart, Alex (+), Eman Abdullah AlOmar (*), Mohamed Wiem Mkaouer, and Ali Ouni. "Increasing the Trust In Refactoring Through Visualization." In Proceedings of the IEEE/ACM 42nd International Conference on Software Engineering Workshops, pp. 334-341. 2020.

35. Sarwar, Muhammad Usman, Sarim Zafar, Mohamed Wiem Mkaouer, Gursimran Singh Walia, and Muhammad Zubair Malik. "Multi-label classification of commit messages using transfer learning." In 2020 IEEE International Symposium on Software Reliability Engineering Workshops (ISSREW), pp. 37-42. IEEE, 2020.

36. Almarimi, Nuri, Ali Ouni, Moataz Chouchen, Islem Saidani, and Mohamed Wiem Mkaouer. "On the detection of community smells using genetic programming-based ensemble classifier chain." In Proceedings of the 15th International Conference on Global Software Engineering, pp. 43-54. 2020. [Rank A] [Best Paper Award]

37. Bessghaier, Narjes, Ali Ouni, and Mohamed Wiem Mkaouer. "On the diffusion and impact of code smells in web applications." In International Conference on Services Computing, pp. 67-84. Springer, Cham, 2020. [Rank A]

38. Peruma, Anthony, Christian D. Newman, Mohamed Wiem Mkaouer, Ali Ouni, and Fabio Palomba. "An Exploratory Study on the Refactoring of Unit Test Files in Android Applications." In Conference on Software Engineering Workshops (ICSEW'20). 2020.

39. Alrubaye, Hussein (*), Stephanie Ludi, and Mohamed Wiem Mkaouer. "Comparison of block-based and hybrid-based environments in transferring programming skills to text-based environments." In Proceedings of the 29th Annual International Conference on Computer Science and Software Engineering, pp. 100-109. IBM Corp., 2019. [Rank B]

40. Peruma, Anthony (*), Khalid Almalki (+), Christian D. Newman, Mohamed Wiem Mkaouer, Ali Ouni, and Fabio Palomba. "On the distribution of test smells in open-source Android applications: an exploratory study." In Proceedings of the 29th Annual International Conference on Computer Science and Software Engineering, pp. 193-202. IBM Corp., 2019. [Rank B]

41. Saidani, Islem, Ali Ouni, Mohamed Wiem Mkaouer, and Aymen Saied. "Towards Automated Microservices Extraction Using Muti-objective Evolutionary Search." In International Conference on Service-Oriented Computing, pp. 58-63. Springer, Cham, 2019. [Rank A]

42. Peruma, Anthony (+), Mohamed Wiem Mkaouer, Michael J. Decker, and Christian D. Newman. "Contextualizing Rename Decisions using Refactorings and Commit Messages." In Proceedings of the 19th IEEE International Working Conference on Source Code Analysis and Manipulation, IEEE. 2019. [Rank C]

43. AlOmar, Eman Abdullah (*), Mohamed Wiem Mkaouer, Ali Ouni, and Marouane Kessentini. "On the impact of refactoring on the relationship between quality attributes and design metrics." In 2019 ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM), pp. 1-11. IEEE, 2019. [Rank A]

44. Alshoaibi, Deema (*), Kevin Hannigan (+), Hiten Gupta (+), and Mohamed Wiem Mkaouer. "PRICE: Detection of Performance Regression Introducing Code Changes Using Static and Dynamic Metrics." In International Symposium on Search Based Software Engineering, pp. 75-88. Springer, Cham, 2019. [Rank B]

45. Messaoud, Montassar Ben, Ilyes Jenhani, Nermine Ben Jemaa, and Mohamed Wiem Mkaouer. "A Multi-label Active Learning Approach for Mobile App User Review Classification." In International

Conference on Knowledge Science, Engineering and Management, pp. 805-816. Springer, Cham, 2019. [Rank B]

46. Alrubaye, Hussein (*), Mohamed Wiem Mkaouer, and Ali Ouni. " On the Use of Information Retrieval to Automate the Detection of Third-Party Java Library Migration at the Method Level." In 2019 IEEE 27th International Conference on Program Comprehension (ICPC), to appear. IEEE, 2019. [Rank C]

47. Safdari, Nasir (+), Hussein Alrubaye (*), Wajdi Aljedaani (+), Bladimir Baez Baez (+), Andrew DiStasi (+), and Mohamed Wiem Mkaouer. "Learning to rank faulty source files for dependent bug reports." In Big Data: Learning, Analytics, and Applications, vol. 10989, p. 109890B. International Society for Optics and Photonics, 2019.

48. Gharbi, Sirine, Mohamed Wiem Mkaouer, Ilyes Jenhani, and Montassar Ben Messaoud. "On the classification of software change messages using multi-label active learning." In Proceedings of the 34th ACM/SIGAPP Symposium on Applied Computing, pp. 1760-1767. ACM, 2019. [Rank B]

49. Alomar, Eman (*), Mohamed Wiem Mkaouer, Ali Ouni. "Can refactoring be self-affirmed? an exploratory study on how developers document their refactoring activities in commit messages." In Proceedings of the 3rd International Workshop on Refactoring, to appear. IEEE, 2019. [Best Paper Award] [Best Presentation Award]

50. Alrubaye, Hussein (*), Mohamed Wiem Mkaouer. "Automating the Detection of Third-Party Java Library Migration At The Function Level. " 28th Annual International Conference on Computer Science and Software Engineering (CASCON), pp. 60-71. IBM Corp, 2018. [Rank B]

51. Peruma, Anthony (+), Mohamed Wiem Mkaouer, Michael J. Decker, and Christian D. Newman. "An empirical investigation of how and why developers rename identifiers." In Proceedings of the 2nd International Workshop on Refactoring, pp. 26-33. ACM, 2018.

52. Newman, Christian D., Mohamed Wiem Mkaouer, Michael L. Collard, and Jonathan I. Maletic. "A study on developer perception of transformation languages for refactoring." In Proceedings of the 2nd International Workshop on Refactoring, pp. 34-41. ACM, 2018.

53. Dennis, Colton (#), Daniel E. Krutz, and Mohamed Wiem Mkaouer. "P-lint: a permission smell detector for Android applications." In Mobile Software Engineering and Systems (MOBILESoft), 2017 IEEE/ACM 4th International Conference on, pp. 219-220. IEEE, 2017. [Rank C]

54. Chester, Piper (#), Chris Jones (#), Mohamed Wiem Mkaouer, and Daniel E. Krutz. "M-perm: a lightweight detector for Android permission gaps." In Mobile Software Engineering and Systems (MOBILESoft), 2017 IEEE/ACM 4th International Conference on, pp. 217-218. IEEE, 2017. [Rank C]

55. Krutz, Daniel E., Nuthan Munaiah (*), Anthony Peruma (+), and Mohamed Wiem Mkaouer. "Who added that permission to my app? an analysis of developer permission changes in open source Android apps." In Mobile Software Engineering and Systems (MOBILESoft), 2017 IEEE/ACM 4th International Conference on, pp. 165-169. IEEE, 2017. [Rank C]

56. McAfee, Patrick (#), Mohamed Wiem Mkaouer, and Daniel E. Krutz. "CATE: concolic Android testing using Java pathfinder for Android applications." In Proceedings of the 4th International Conference on Mobile Software Engineering and Systems, pp. 213-214. IEEE Press, 2017. [Rank C]

57. Shoenberger, Ian (+), Mohamed Wiem Mkaouer, and Marouane Kessentini. "On the Use of Smelly Examples to Detect Code Smells in JavaScript." In European Conference on the Applications of Evolutionary Computation, pp. 20-34. Springer, Cham, 2017. [Rank B]

58. Soui, Makram, Mabrouka Chouchane, Ines Gasmi, and Mohamed Wiem Mkaouer. "PLAIN: PLugin for predicting the usAbility of Mobile User INterface." In VISIGRAPP (1: GRAPP), pp. 127-136. 2017. [Rank B]

59. Mkaouer, Mohamed Wiem. "Interactive code smells detection: An initial investigation." In International Symposium on Search-Based Software Engineering, pp. 281-287. Springer, Cham, 2016. [Rank B]

60. Almhana, Rafi, Mohamed Wiem Mkaouer, Marouane Kessentini, and Ali Ouni. "Recommending relevant classes for bug reports using multi-objective search." In Proceedings of the 31st IEEE/ACM International Conference on Automated Software Engineering, pp. 286-295. ACM, 2016. [Rank A*]

61. Mkaouer, Mohamed Wiem, Marouane Kessentini, Slim Bechikh, Kalyanmoy Deb, and Mel Ó Cinnéide. "Recommendation system for software refactoring using innovization and interactive dynamic optimization." In Proceedings of the 29th ACM/IEEE international conference on Automated software engineering, pp. 331-336. ACM, 2014. [Rank A*]

62. Mkaouer, Mohamed Wiem, Marouane Kessentini, Slim Bechikh, and Mel Ó. Cinnéide. "A robust multi-objective approach for software refactoring under uncertainty." In International Symposium on Search-Based Software Engineering, pp. 168-183. Springer, Cham, 2014. [Rank B]

63. Mkaouer, Mohamed Wiem, Marouane Kessentini, Slim Bechikh, Mel Ó'Cinnéide, and Kalyanmoy Deb. "Software refactoring under uncertainty: a robust multi-objective approach." In Proceedings of the Companion Publication of the 2014 Annual Conference on Genetic and Evolutionary Computation, pp. 187-188. ACM, 2014. [Rank A]

64. Mkaouer, Mohamed Wiem, Marouane Kessentini, Slim Bechikh, Kalyanmoy Deb, and Mel Ó Cinnéide. "High dimensional search-based software engineering: finding tradeoffs among 15 objectives for automating software refactoring using NSGA-III." In Proceedings of the 2014 Annual Conference on Genetic and Evolutionary Computation, pp. 1263-1270. ACM, 2014. [Rank A]

65. Mkaouer, Mohamed Wiem, Marouane Kessentini, Slim Bechikh, and Daniel R. Tauritz. "Preference-based multi-objective software modelling." In Proceedings of the 1st International Workshop on Combining Modelling and Search-Based Software Engineering, pp. 61-66. IEEE Press, 2013.

ARTIFACTS

Software Systems

1. TS-Detect (Open Source: https://testsmells.org/). The objective of this tool is to educate developers on the types of unit testing smells that developers typically introduce or encounter when writing unit tests. To this extent, this tool analyzes the source code of unit test smells and detects the different smell types.

2. Migration-Miner (Open Source: https://github.com/hussien89aa/MigrationMiner). MigrationMiner is an open-source tool that provides the developer with an easy-to-use and comprehensive way of extracting, from a given list of input projects, existing migrations between two third-party libraries using program analysis based on Abstract Syntax Tree (AST) code representation. In a nutshell, MigrationMiner (i) detects, (ii) extracts, (iii) filters, and (iv) collects code changes related to any performed migration.

3. Migration-Mapper (Open Source: https://github.com/hussien89aa/MigrationMapper). An open-source tool that provides the developer with an easy-to-use and comprehensive way of extracting, from a given list of input projects, existing method mapping between two third-party libraries using program analysis based on Abstract Syntax Tree (AST) code representation. A demo video of MigrationMapper is available on [Youtube](https://www.youtube.com/watch?v=D-01g2GjuTg).

4. Self-Admitted Technical Debt Analyzer (Open Source: https://github.com/smilevo/SATDBailiff). This tool is intended to be used to mine SATD occurrences from GitHub repositories as a single or batch operation.

Artifacts and Datasets

1. API-Migrations (Online: http://migrationlab.net/). The official website of all artifacts generated as part of detecting existing Library migrations in open source projects.

2. Self-Affirmed Refactoring (Online: https://smilevo.github.io/self-affirmed-refactoring/). The container of our dataset contains over 100 K refactorings and their corresponding documentation by developers.

3. Performance Regression (Online: https://smilevo.github.io/price/). Open-source dataset of various commits that were found to contain performance regression.

RESEARCH FUNDING

Current

1. CISE Community Research Infrastructure (CCRI): A Software Refactoring Community Infrastructure. NSF-National Science Foundation. 2022-2025. Budget: $220,000.00. Role: PI.

2. Exploring the relationship between refactoring and code review. RIT (RIT SEED funding). 2017. Budget: $7,000. Role: PI.

Past

1. REU Site: Cultivating Next Generation Software Engineering Researchers. NSF-National Science Foundation. 2018-2021. Budget: $372,000.00. Role: Co-PI.

2. Better Bug Localization Through the Identification of Dependency Between Bugs. RIT (RIT Grant Writer Boot Camp). 2017. Budget: $5,000.

PROFESSIONAL SERVICE

Leadership Roles

1. Tutorials Chair of the International Conference on Automated Software Engineering (ASE), 2022.

2. Tutorials Chair of the International Conference on Software and Software Reuse (ICSR), 2022.

3. General Chair of the IEEE International Workshop on Software Refactoring (IWoR), 2021.
4. Program Chair of the Tool Track of IEEE International Conference on Software Analysis, Evolution and Reengineering (SANER), 2021.
5. Doctoral Symposium Chair of the International Conference on Software and Software Reuse (ICSR), 2020.
6. Publicity chair of the IEEE/ACM International Conference on Program Comprehension (ICPC), 2020.
7. Publicity chair of the IEEE International Workshop on Software Refactoring (IWoR), 2018.
8. Steering Committee Member of the Symposium on Search-Based Software Engineering (SSBSE), 2016-2019.
9. Web chair of the IEEE International Workshop on Software Refactoring (IWoR), 2016.
10. Web chair of the North American Search-Based Software Engineering Symposium (NasBASE), 2015.

Program Committee (Various Tracks)

1. MobileSoft), 2023.
2. ACM Innovation and Technology in Computer Science Education conference (ITiCSE), 2023
3. IEEE/ACM International Conference on Software Engineering (ICSE-SEET) 2023.
4. International Conference on the Applications of Evolutionary Computation (EvoAPP), 2023.
5. ACM Special Interest Group on Computer Science Education (SIGCSE), 2023.
6. IEEE/ACM International Conference on Program Comprehension (ICPC), 2023.
7. IEEE International Conference on Software Analysis, Evolution and Reengineering (SANER), 2022.
8. IEEE/ACM International Conference on Automated Software Engineering (ASE), 2022
9. IEEE International Conference on Software Maintenance and Evolution (ICSME), 2022
10. IEEE/ACM International Conference on Program Comprehension (ICPC), 2022.
11. International Conference on Technical Debt (TechDebt) 2022
12. International Conference on the Applications of Evolutionary Computation (EvoAPP), 2022.
13. ACM Innovation and Technology in Computer Science Education conference (ITiCSE), 2022
14. ACM Special Interest Group on Computer Science Education (SIGCSE), 2022.
15. IEEE/ACM International Conference on Mobile Software Engineering and Systems (MobileSoft), 2022.
16. IEEE/ACM International Conference on Software Engineering (ICSE-SEET) 2022.
17. ACM Special Interest Group on Computer Science Education (SIGCSE), 2021.
18. IEEE International Conference on Software Analysis, Evolution and Reengineering (SANER), 2021.
19. International Conference on the Applications of Evolutionary Computation (EvoAPP), 2020.

20. ACM Special Interest Group on Computer Science Education (SIGCSE), 2020.
21. IEEE/ACM International Conference on Program Comprehension (ICPC), 2020.
22. International Workshop on Intelligent Software Engineering (ISEA), 2020
23. International Working Conference on Source Code Analysis & Manipulation (SCAM), 2020.
24. ACM Special Interest Group on Computer Science Education (SIGCSE), 2019.
25. IEEE/ACM International Conference on Program Comprehension (ICPC), 2019.
26. IEEE International Conference on Software Maintenance and Evolution (ICSME), 2019.
27. International Workshop on Software Engineering Intelligence (SEI), 2019.
28. Knowledge Management in Development of Data-Intensive Software (KMDDI), 2019.
29. International Conference on New Trends in Computing Sciences (ICTCS), 2019.
30. Software Engineering for Variability Intensive Systems (SEVIS), 2017.
31. IEEE International Workshop on Software Refactoring (IWoR), 2016.
32. Nature-inspired algorithms in Software Engineering and Testing (EvoSET), 2016.
33. Symposium on Search-Based Software Engineering (SSBSE), 2016.
34. ACS/IEEE International Conference on Computer Systems and Applications (AICCSA), 2016.
35. North American Search-Based Software Engineering Symposium (NasBASE), 2015.

Journal Reviews

1. Expert Systems with Applications, since 2020
2. IEEE/ACM on Software Engineering, since 2019
3. Journal of Sustainability, since 2018
4. Future Internet Journal, since 2018
5. Computers Journal, since 2018
6. Applied Sciences Journal, since 2018
7. Journal of IET Software, since 2018
8. American Journal of Software Engineering and Applications, since 2018
9. IEEE Transactions on Emerging Topics in Computational Intelligence, since 2017
10. Journal of Memetic Computing, since 2017
11. Journal of Systems and Information Technology, since 2017
12. IEEE Transactions on Evolutionary Computation, since 2016
13. International Journal of Advanced Intelligence Paradigms, since 2016

14. Information and Software Technology Journal, since 2016
15. Innovations in Systems and Software Engineering, since 2016
16. Empirical Software Engineering, since 2016
17. Journal of Software Evolution and Process, since 2015
18. International Journal of Pattern Recognition and Artificial Intelligence, since 2015
19. International Journal of modeling and simulation; since 2015
20. Journal of Engineering Research and Technology, since 2015
21. Journal of Automated Software Engineering, since 2015
22. Journal of Systems and Software, since 2014
23. Journal of Scientific Research, since 2015
24. Journal of Software Engineering and Applications, since 2014.

Presentations

1. “A large-scale survey of software refactoring”, It Will Never Work in Theory: Strange Loop, 2022
2. “Introduction to software refactoring”, Tunis Business School, 2022.

Examination Committee Membership - RIT

1. Member of Research Potential Assessment Committee for Ph.D. Students, 2017, 2018
2. MS Thesis Advisor for Kevin Hannigan. " An Empirical Evaluation of the Indicators for Performance Regression Test Selection", 2017
3. MS Thesis Advisor for Eman Abdullah Alomar. "How We Refactor and How We Mine it ? A Large-Scale Study on Refactoring Activities in Open Source Systems", 2017
4. MS Thesis Advisor for Anthony Peruma. "What the Smell? An Empirical Investigation on the Distribution and Severity of Test Smells in Open Source Android Applications", 2017
5. MS Thesis Advisor for Nasir Safdari. "Learning to Rank Relevant Files for Bug Reports Using Domain knowledge", 2017
6. MS Thesis Advisor for Mazen Alotaibi. "Advances and Challenges in Software Refactoring: A Tertiary Systematic Literature Review", 2017
7. MS Thesis Advisor for Alexander Bogart. "On Increasing Trust Between Developers and Automated Refactoring Tools Through Visualization", 2016
8. MS Thesis Examiner for Hussein Alrubaye. " Comparison of visual programming and hybrid programming environments in transferring programming skills", 2016.

Department of Software Engineering - RIT

1. Tenure-Track Hiring Committee Co-Chair, 2022
2. Tenure-Track Hiring Committee Member, 2016, 2017, 2018, 2020, 2021
3. Curriculum Committee Member for Data Science, 2018
4. Graduate Curriculum Committee Member for Software Engineering, 2017, 2018, 2019
5. Open House Sessions Member, 2016, 2017, 2018, 2019, 2020, 2021
6. Graduate student applications Reviewer, 2016, 2017, 2018
7. Co-op student Advisor, 2016, 2017, 2018, 2019, 2020, 2021, 2022
8. Senior Project Coach, 2016, 2017, 2018, 2019, 2020.

College of Computing and Information Sciences - RIT

1. GCCIS PhD Review Committee Member, 2022
2. GCCIS Outstanding Scholar Committee Chair, 2020
3. GCCIS Outstanding Undergraduate Scholar, 2020
4. GCCIS Outstanding Scholar Committee Member, 2019
5. PhD Curriculum Committee, 2019-2021
6. College Delegates - GCCIS, 2018
7. GCCIS Outstanding Undergraduate Scholar, 2018
8. Faculty Education and Development (FEAD) reviewer, 2018
9. Ph.D. Program Research Potential Assessment (RPA) committee member 2017-2018
10. GCCIS Seed Funding program reviewer, 2017.

Other RIT colleges

1. Advisor for Muslim Student Association, 2023.
2. Faculty Learning Community (FLC) Facilitator - NTID, 2018.

ADVISING AND MENTORSHIP

Ph.D.

1. Hussein Alrubaye, 2017-2020
2. Eman Abdullah Alomar, 2018-2021
3. Deema AlShoaibi, 2018-2022
4. Wajdi Aljedaani, 2020-current

Master's Thesis

1. Devan Lad, MS, 2021-2022
2. Brandon Palonis, MS, 2020-2021
3. Sultan AlMasaari, MS, 2020-2021
4. Rana AlRubaye, MS, 2020-2021
5. Murtaza Tamjeed, MS, 2019-2020
6. Steven Simmons, MS, 2019-2020
7. Ben Christians, MS, 2019-2020
8. Max Mendelson, MS, 2019-2020
9. Hiten Gupta, MS, 2018-2020
10. Andrew Di Stasi, MS, 2018-2019
11. Ahmed Aljohani, MS, 2018-2019.
12. Khalid Almalki, MS, 2017-2018.
13. Anthony Peruma, MS, 2017-2018
14. Kevin Hannigan, BS/MS, 2017-2018
15. Nasir Safdari, MS, 2017-2018
16. Eman Abdullah Alomar, MS, 2017-2018
17. Mazen Alotaibi, MS, 2017-2018
18. Alexander Bogart, MS, 2016-2017

Master's Capstone

1. Simar Khanna, MS, 2021-2022
2. Benjamin Adepoju, MS, 2021-2022
3. Philip Rodriguez, MS, 2021-2022
4. Kemar James, MS, 2021-2022
5. Vinayak Sengupta, MS, 2021-2022
6. Abdulla Alsaleh, MS, 2021-2022
7. Kirtana Suresh, MS, 2020-2021
8. Sai Kapa, MS, 2020-2021
9. Arpita kale, MS, 2020-2021
10. Tianjia Wang, MS, 2020-2021

11. Vaibhavi Raut, MS, 2020-2021
12. Majed Al-Khahtani, MS, 2020-2021
13. Thomas Tribunella, MS, 2020-2021
14. Mohammadreza Shojaei Kol Kachi, MS, 2019-2020
15. Mihal Busho, MS, 2020
16. Ahmed Hamad, MS, 2020
17. Jose Reyes, MS, 2019-2020
18. Licelot Marmolejos, MS, 2018-2019
19. Khalid AlMalki, MS, 2018-2019
20. Hind Alharbi, MS, 2018-2019
21. Jadder Moya Urbaez, MS, 2018-2019
22. Ebtesam Alsogaih, MS, 2018-2019
23. Kunal Setpal, MS, 2017-2018
24. Bladimir Baez Baez, MS, 2017-2018
25. Ian Shoenberger, BS/MS, 2016-2017

Indepedent Study

1. Dante Secada-oz, BS, Summer 2022
2. Eric Tiano, BS, Spring 2018
3. Ricky Suberman, BS, Spring 2018
4. Ahmed Aljohani, MS, Fall 2018

Senior Project

1. Team: Lukas Short, Noah Britton, Ryan Gillie, Shannon Sloan. Project Sponsor: Mohamed Wiem Mkaouer and Anthony Peruma, 2021-2022 (https://people.rit.edu/ses7578/).
2. Team: Brandon Goll, Brodrick Starr, John Byrne, John Murray, Moisés Lora Project Sponsor: RIT COLA, 2019-2020 (https://gallerygateway.rit.edu/)
3. Team: John Ahn, Brett Kosciolek, Daniil Vasin, Benjamin Woodworth. Project Sponsor: TwoSigma, 2018-2019 (https://www.se.rit.edu/ koresigma/).
4. Team: Sean Klei, David Thong Nguyen, Adam Audycki, Matthew Pitcher. Project Sponsor: StarRez, 2017-2018 (https://www.se.rit.edu/ meteor/).

Community Involvement

1. I enjoy playing soccer in the weekly games organized by RIT faculty.