

Education

Dec. 2022 Expected	University of California, Irvine Doctor of Philosophy in Software Engineering Committee: David Redmiles (chair), James A. Jones, and Anita Sarma
Jul. 2018	University of California, Irvine Master of Science in Software Engineering Thesis: <i>Expertise Location Approaches and Systems in Software Engineering</i> Committee: David Redmiles (chair), James A. Jones, and Yi Wang
Dec. 2014	University of Nebraska, Lincoln Bachelor of Science , double major in Computer Science and Mathematics

Awards

2020	Doctoral Symposium , the 28th ACM Joint Meeting on European Software Engineering Conference and Symposium on the Foundations of Software Engineering, Online
2018	NSF Travel Grant , for 40th International Conference on Software Engineering, Gothenburg, Sweden
2018	Chair's Award , Department of Informatics, University of California, Irvine
2016	Best Paper Award , for 11th International Conference on Global Software Engineering, Irvine
2013–2014	Nomination of CSE Student Researcher Award , University of Nebraska, Lincoln
2013	Dean's List , University of Nebraska, Lincoln
2012–2014	Partnership Development Program Scholarship , University of Nebraska, Lincoln

Professional Experience

2022–Present	Software Engineering Researcher , SAP Labs, Newport Beach -conduct embedded software engineering research with the leadership team, and work collaboratively with several scrum teams and product management colleagues. -review the state-of-the-art of workplace experience (academia and industry), and continuously improve development processes and workplace experience at the site.
2017–Present	Graduate Research Assistant , University of California, Irvine -identify current SE knowledge gaps through systematic literature reviews. -leverage information retrieval techniques to collect and clean empirical data of OSS developer activities. -employ statistical learning models to predict software developers' behaviors and project outcomes. -implement research prototypes and conduct usability evaluations.

2017–Present	Teaching Assistant/Course Reader , University of California, Irvine -assisted with mentoring software engineering graduate students; -assisted with instructing Informatics courses, including: IN4MATX 43: Introduction to Software Engineering IN4MATX 141: Information Retrieval IN4MATX 143: Information Visualization IN4MATX 211: Software Engineering IN4MATX 212: Analysis of Programming Language
2015–2016	Software Engineer , Deshi Electronic Technoloe, Ltd., Hangzhou -implement a controller iOS app for classroom multimedia device -implement web applications for in-class interactive education
2015	Undergraduate Research Fellow , University of Nebraska, Lincoln -develop research prototype: develop a visualization for app variations -research data analysis: conduct pilot user study and analyze study video Supervised by Dr. Anita Sarma and Dr. Gregg Rothermel, Funded by NSF
2013–2014	Undergraduate Research Assistant , University of Nebraska, Lincoln -user study: conduct user study with prospective users of an app, and qualitatively analyze interaction data. -log analysis: analyze participant activity in a web IDE during a user experiment. Supervised by Dr. Anita Sarma, Funded by NSF

Journal Publications

- J5** | Zhendong Wang, Yi-Hung Chou, Kayla Fathi, Tobias Schimmer, Peter Colligan, David Redmiles, and Rafael Prikladnicki. Co-designing for a hybrid workplace experience in software development. *IEEE Software*, 2022, Under Revision
- J4** | Zhendong Wang, Yi Wang, and David Redmiles. From specialized mechanics to project butlers: the usage of bots in OSS development. *IEEE Software*, 2022
- J3** | Sandeep Kaur Kuttal, Xiaofan Chen, Zhendong Wang, Sogol Balali, and Anita Sarma. Visual Resume: Exploring developers’ online contributions for hiring. *Information and Software Technology*, 138:106633, 2021
- J2** | Zhendong Wang, Yang Feng, Yi Wang, James A. Jones, and David Redmiles. Unveiling elite developers’ activities in open source projects. *ACM Trans. Softw. Eng. Methodol.*, 29(3), June 2020
- J1** | Sandeep Kaur Kuttal, Anita Sarma, Gregg Rothermel, and Zhendong Wang. What happened to my application? Helping end users comprehend evolution through variation management. *Information and Software Technology*, 103:55 – 74, 2018

Short Publications and Posters

- S3** | Zhendong Wang, Yang Feng, Yi Wang, James A Jones, and David Redmiles. Elite developers’ activities at open source ecosystem level. In *Proceedings of the ACM/IEEE 42nd International Conference on Software Engineering: Companion Proceedings*, pages 312–313, 2020
- S2** | Zhendong Wang. Assisting the elite-driven open source development through activity data. In *Proceedings of the 28th ACM Joint Meeting on European Software Engineering Conference and Symposium on the Foundations of Software Engineering*, pages 1670–1673, 2020
- S1** | Rafael Leano, Zhendong Wang, and Anita Sarma. Labeling relevant skills in tasks: Can the crowd help? In *2016 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC)*, pages 185–189, Sep 2016

Conference Publications

- C5** | Yi-Hung Chou, Zhendong Wang, Tobias Schimmer, Rafael Prikladnicki, and David Redmiles. Adapting software teams to the new normal: An early case study of transitioning to hybrid work under COVID-19. In *Proceedings of the 56th Hawaii International Conference on System Sciences*, 2022
- C4** | Yisi Han, Zhendong Wang, Yang Feng, Zhihong Zhao, and Yi Wang. Cross-status communication and project outcomes in OSS development-A language style matching perspective. In *Proceedings of the ACM/IEEE 18th International Conference on Mining Software Repositories, Registered Reports*, 2021
- C3** | Yi Wang, Zhendong Wang, and David Redmiles. The co-evolution of trust and co-ordination in global software development teams-an extensible evolutionary game theory model. In *Proceedings of the 52nd Hawaii International Conference on System Sciences*, 2019
- C2** | Zhendong Wang, Yi Wang, and David Redmiles. Competence-confidence gap: A threat to female developers’ contribution on GitHub. In *40th International Conference on Software Engineering 2018, Software Engineering in Society*, 2018
- C1** | Anita Sarma, Xiaofan Chen, Sandeep Kuttal, Laura Dabbish, and Zhendong Wang. Hiring in the global stage: Profiles of online contributions. In *2016 IEEE 11th International Conference on Global Software Engineering (ICGSE)*, pages 1–10, Aug 2016, [Best Paper Award]

Invited Presentations

- P5** | “Assisting the Elite-driven Open Source Development through Activity Data”, the 28th ACM Joint Meeting on European Software Engineering Conference and Symposium on the Foundations of Software Engineering, Doctoral Symposium, Online, Nov 2020
- P4** | “Unveiling Elite Developers’ Activities in Open Source Projects”, Southern California Software Engineering Symposium (SuCSES), University of California, Irvine, CA, Jun 2019
- P3** | “Expertise Location in Software Engineering”, ISR Research Forum, University of California, Irvine, CA, Jun 2018
- P2** | “Competence-confidence Gap: A Threat to Female Developer’s Contribution on Github”, Gothenburg, Sweden, May 2018
- P1** | “Visual Resume: Hiring in the global stage using card-based developer profiles of online contribution”, ISR Research Forum, University of California, Irvine, CA, Jun 2017

Academic Services

- 2022 | **Panelist**, Student Panel of new graduate welcoming event, Informatics Graduate Student Association (IGSA), University of California, Irvine, CA
- 2020 | **Panelist** of Conversations on Productivity within the Paper Presentations, the 28th ACM Joint Meeting on European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE), Online
- 2018 | **Student Volunteer**, the 40th ACM/IEEE International Conference on Software Engineering, Gothenburg, Sweden
- 2017–2018 | **Treasurer**, Informatics Graduate Student Association (IGSA), University of California, Irvine

Services to Research Communities

2022	External Reviewer , IEEE Software
2022	Program Committee , track of Registered Reports, the 16th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement, Helsinki, Finland
2021	External Reviewer , the Journal of Systems and Software, Elsevier
2021	Program Committee , the 2021 Conference on Empirical Methods in Natural Language Processing, Online and in the Barceló Bávaro Convention Centre, Punta Cana, Dominican Republic
2021	Shadow Program Committee , the 2021 Mining Software Repository Conference, Online
2019	External Reviewer , the 25th ACM Conference on Intelligent User Interface, Cagliari, Italy
2018	External Reviewer , assisted with reviews for the 41st ACM/IEEE International Conference on Software Engineering, NIER track
2018	External Reviewer , assisted with reviews for the 16th ACM European Conference on Computer-Supported Cooperative Work
2018	External Reviewer , the 21st ACM Conference on Computer-Supported Cooperative Work and Social Computing

Students Mentored

2022	Yi-Hung Chou, current master student of Software Engineering at UCI
2021	Tian Guan, Senior Software Developer, Oracle Cloud Infrastructure
2020-2021	Yunlong Song, Software Developer, Airwallex
2020-2021	Alissa Powers, Software Developer, Office of Information Technology, University of California, Irvine

Primary Methods and Technical Skills

Research	Interview, Survey, Experiment Design, Log Analysis, Usability Testing, Prototyping, Co-Design, Design Critiques, Systematic Literature Review (SLR)
Data Science	Descriptive and inferential statistics, Applied NLP, Applied Machine Learning, Data Visualization, Information Retrieval
SDE	Python, JavaScript, R, git