

## Research Interests

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Software Engineering, Software Analysis and Testing with Natural Language Processing and Machine Learning Techniques.

## Education

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<b>University of California, Irvine</b> Ph.D. in Software Engineering. GPA: 3.98/4.0 Dissertation: Advancing Automated Software Testing Through Test Reuse	Irvine, California September 2021
<b>National Tsing Hua University</b> Master of Science in Computer Science. GPA: 4.0/4.0	Hsinchu, Taiwan June 2008
<b>National Tsing Hua University</b> Bachelor of Science in Computer Science. GPA: 3.07/4.0	Hsinchu, Taiwan June 2006

## Honors and Awards

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Graduate Dean's Dissertation Fellowship, UC Irvine, 2020  
Chair's Award and Graduate Dean's Recruitment Fellowship, UC Irvine, 2016  
Government Fellowship for Studying Abroad, Ministry of Education, Taiwan, 2014

## Publications

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**Google Scholar Citations: 331. H-index: 8** (<https://scholar.google.com/citations?user=cIEtAlkAAAAJ>)

### Conference Papers

- [C9] GUI Test Transfer from Web to Android  
Jun-Wei Lin and Sam Malek  
15th IEEE International Conference on Software Testing, Verification and Validation (ICST 2022) (26% acceptance rate)
- [C8] Latte: Use-Case and Assistive-Service Driven Automated Accessibility Testing Framework for Android  
Navid Salehnamadi, Abdulaziz Alshayban, Jun-Wei Lin, Iftekhar Ahmed, Stacy Branham, and Sam Malek  
2021 ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 2021) (26% acceptance rate)
- [C7] Test Automation in Open-Source Android Apps: A Large-Scale Empirical Study  
Jun-Wei Lin, Navid Salehnamadi, and Sam Malek  
35th International Conference on Automated Software Engineering (ASE 2020) (23% acceptance rate)
- [C6] Test Transfer Across Mobile Apps Through Semantic Mapping  
Jun-Wei Lin, Reyhaneh Jabbarvand, and Sam Malek  
34th International Conference on Automated Software Engineering (ASE 2019) (21% acceptance rate)
- [C5] Search-Based Energy Testing of Android  
Reyhaneh Jabbarvand, Jun-Wei Lin, and Sam Malek  
41st International Conference on Software Engineering (ICSE 2019) (21% acceptance rate)
- [C4] Nemo: Multi-Criteria Test-Suite Minimization with Integer Nonlinear Programming  
Jun-Wei Lin, Reyhaneh Jabbarvand, Joshua Garcia, and Sam Malek  
40th International Conference of Software Engineering (ICSE 2018) (21% acceptance rate)
- [C3] Using Semantic Similarity in Crawling-Based Web Application Testing  
Jun-Wei Lin, Farn Wang, and Paul Chu  
10th IEEE International Conference on Software Testing, Verification and Validation (ICST 2017) (27% acceptance rate)
- [C2] Automated Testing of Web Applications with Text Input  
Chi-Yun Wu, Farn Wang, Ming-Hong Weng, and Jun-Wei Lin  
2015 IEEE International Conference on Progress in Informatics and Computing (PIC 2015)
- [C1] Test Suite Reduction Analysis with Enhanced Tie-Breaking Techniques  
Jun-Wei Lin, Chin-Yu Huang, and Chu-Ti Lin  
4th IEEE International Conference on Management of Innovation and Technology (ICMIT 2008)

## Journal Papers

- [J2] The i5k Workspace@NAL—enabling genomic data access, visualization and curation of arthropod genomes  
Monica Poelchau, Christopher Childers, Gary Moore, Vijaya Tsavatapalli, Jay Evans, Chien-Yueh Lee, Han Lin, [Jun-Wei Lin](#),  
and Kevin Hackett  
Nucleic Acids Research, Vol. 43, Issue D1, Jan. 2015.
- [J1] Analysis of Test Suite Reduction with Enhanced Tie-Breaking Techniques  
[Jun-Wei Lin](#) and Chin-Yu Huang  
Information and Software Technology, Vol. 51, No. 4, Apr. 2009.

## Book

- [B1] Web Scraping and Data Analysis with Python (in Chinese)  
[Jun-Wei Lin](#) and Hubert Lin  
DrMaster Press, 2018. ISBN: 9789864343386

## Employment History

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<b>MGM Resorts International</b> Software Engineer	Irvine, California September 2021 – Present
<b>University of California, Irvine</b> Graduate Student Researcher	Irvine, California September 2016 – September 2021
<b>QNAP Inc.</b> Software Engineering Intern	Taipei, Taiwan July 2016 – August 2016
<b>National Agricultural Library</b> Research Intern	Beltsville, Maryland May 2014 – May 2015
<b>Ministry of Justice</b> IT System Manager	Taipei, Taiwan June 2012 – September 2013
<b>Taipei District Prosecutors Office</b> IT Technician	Taipei, Taiwan January 2011 – May 2012
<b>Yangming Senior High School</b> IT Technician	Taipei, Taiwan August 2009 – December 2010

## Service

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### Reviewer

ACM Transaction of Software Engineering and Methodology (TOSEM), 2020  
IEEE Transactions on Software Engineering (TSE), 2019  
European Conference on Software Architecture (ECSA 2018)  
International Symposium on Software Engineering for Adaptive and Self-Managing Systems (SEAMS 2018)

## Supervised Students

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### University of California, Irvine

Navid Salehnamadi (PhD Student)  
Jingkaihui Wei (Undergrad Student)  
Alyssa Deeb (Undergrad Student)

## Teaching Assistantships

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### University of California, Irvine

SWE 266P Software Security and Dependability, Spring 2020  
SWE 264P Distributed Software Architecture, Winter 2020  
IN4MATX 117 Project in Software System Design, Fall 2019

## Grants

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SIGSOFT CAPS Travel Grant to Attend ASE 2019  
SIGSOFT CAPS Travel Grant to Attend ICSE 2018