

EDUCATION

- **Monash University** Melbourne, AU
Philosophy of Doctor; Full Scholarship *May. 2023 -*
- **Australian National University** Canberra, AU
Bachelor of Software Engineering (Honors) *Feb. 2016 – Dec. 2019*

AWARDS

- ACM SIGSOFT Distinguished Paper Award [in ICSE 2023]
- Selected Fully Funded PhD for Summer School in Computer Science and AI (ISAAC) [at Monash]
- Top solution in AI project of Smart City in Suzhou park (won \$120,000 project investment) [at NUSRI]
- Top 5 Award in Innovation ACT 2018 (with \$8,750 grant) [at Civilise.ai]
- Commercial cooperation with the Queanbeyan council, NSW, Australia [at Civilise.ai]
- “Start-up of the Year” award in the Digital Canberra iAwards 2018 [at OK RDY]
- 1st student graduated from high school [at BMGS high school]
- Top 20% in Australian Commonwealth Mathematics Competition [at BMGS high school]

PUBLICATIONS

Conference Papers:

- **S. Feng**, M. Xie, C. Chen. “Efficiency Matters: Speeding Up Automated Testing with GUI Rendering Inference”, [**Distinguish in ICSE 2023**] (**CORE A***) - **acceptance 1%**
- **S. Feng**, M. Xie, Y. Xue, C. Chen. “Read It, Don’t Watch It: Captioning Bug Recordings Automatically”, [**ICSE 2023**] (**CORE A***) - **acceptance 26%**
- M. Xie, Z. Xing, **S. Feng**, C. Chen, L. Zhu, X. Xu. “Psychologically-Inspired, Unsupervised Inference of Perceptual Groups of GUI Widgets from GUI Images”, [**ESEC/FSE 2022**] (**CORE A***) - **acceptance 22%**
- **S. Feng**, C. Chen. “GIFdroid: Automated Replay of Visual Bug Reports for Android Apps”, [**ICSE 2022**] (**CORE A***)- **acceptance 26%**
- **S. Feng**, S. Ma, J. Yu, T. Zhou, Y. Zhen. “Auto-icon: An Automated Code Generation Tool for Icon Designs Assisting In UI Development”, [**Highlights in IUI 2021**] (**CORE A**) - **acceptance 1%**
- C. Chen, **S. Feng**, Z. Liu, Z. Xing, S. Zhao. “From Lost to Found: Discover Missing UI Design Semantics through Recovering Missing Tags”, [**CSCW 2020**] (**CORE A**)
- **S. Feng**. “Dynamic Facial Stress Recognition in Temporal Convolutional Network”, [**ICONIP 2019**] (**CORE A**) - **acceptance 27%**
- C. Chen, **S. Feng**, Z. Xing, L. Liu, S. Zhao, J. Wang. “Gallery D.C.: Design Search and Knowledge Discovery through Auto-created GUI Component Gallery”, [**CSCW 2019**] (**CORE A**)

Journal Papers:

- **S. Feng**, M. Jiang, T. Zhou, Y. Zhen, C. Chen. “Auto-Icon+: An Automated End-to-End Code Generation Tool for Icon Designs in UI Development”, [**TiiS 2022**]

Short Papers:

- **S. Feng**, C. Chen. “GIFdroid: An Automated Light-weight Tool for Replaying Visual Bug Reports”, [**ICSE 2022**] (**CORE A***)
- **S. Feng**, C. Chen, Z. Xing. “Gallery D.C.: Auto-created GUI Component Gallery for Design Search and Knowledge Discovery”, [**ICSE 2022**] (**CORE A***)
- M. Xie, **S. Feng**, Z. Xing, J. Chen, C. Chen. “UIED: a hybrid tool for GUI element detection”, [**ESEC/FSE 2020**] (**CORE A***)

EXPERIENCE

- **University of Science and Technology of China** Suzhou, CN
Research Intern Jun 2022 - May 2023
 - **App testing:** Create a UI-based approach to assist developers in reproducing bug recordings effectively.
 - **Achievements:** ICSE 2023 [**CORE A***]
- **Alibaba Group** Hangzhou, CN
Research Intern Aug 2020 - Feb 2021
 - **Code generation:** Develop deep learning-based techniques to generate readable and efficient code for icons.
 - **Achievements:** **Highlights** in IUI 2021 [**CORE A**], TiiS 2022 [**Journal**]
- **National University of Singapore Research Institute** Suzhou, CN
Research Intern Apr 2020 - Aug 2020
 - **Past exams practice:** Develop segmentation models to remove handwritten answers from student exam papers.
 - **Achievements:** win \$120,000 project investment in China Suzhou AI project competition
- **Civilise.ai** Canberra, AU
Software Developer Intern Jul 2018 - Nov 2018
 - **Building construction consulting:** Build systems to recognize house property revolution from satellite images.
 - **Achievements:** win \$8,750 grant in Australia Innovation ACT competition
- **OK RDY** Canberra, AU
Software Developer Intern Feb 2018 - Jul 2018
 - **Malicious reporting:** Propose natural language processing method to identify malicious text in message system.
 - **Achievements:** win “Start-up of the Year” award in Australia Digital Canberra iAwards

SERVICES

- External reviewer in UIST 2023
- Volunteer in United Nations International Children’s Emergency Fund 2022
- External reviewer in CHI 2023
- External reviewer in MobileHCI 2022
- Student volunteer in ASE 2021
- Selected panelist in ESEC/FSE 2020

PERSONAL

- Paper Art Design, Certified Skydiver, SSI Water Diver, Amateur Go rank 2 dan