Yuntianyi Chen

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EDUCATION

Bachelor in Wuhan University, China 2016.09—2020.06
School of Computer Science

Ph.D. Student in University of California, Irvine, USA 2021.09—Present
Department of Software Engineering

EXPERIENCES

- **Teaching Assistant** in University of California, Irvine 2021.09—Present
  TA Course: INF122, SWE 266P, SWE 247P, SWE 249P, ICS 32
- **Research Assistant** in Wuhan University 2020.10—2021.07
  Working in Centre of Software Testing, Analysis and Reliability (CSTAR)
- **Sub-reviewer** in 27th IEEE International Conference on Software Analysis, 2019.11
  Evolution and Reengineering (SANER 2020)
- **Teaching Assistant** in Wuhan University 2017.09—2017.12
  TA Course: Advanced Software Engineering

PUBLICATIONS

[1] Yuqi Huai, Sumaya Almanee, Yuntianyi Chen, Xiafa Wu, Qi Alfred Chen, Joshua Garcia. "scenoRITA: Generating Diverse, Fully-Mutable, Test Scenarios for Autonomous Vehicle Planning" in IEEE Transactions on Software Engineering (**TSE 2023**), pp. 1–21, 2023

[2] Yuqi Huai, Yuntianyi Chen, Sumaya Almanee, Tuan Ngo, Xiang Liao, Ziwen Wan, Qi Alfred Chen, Joshua Garcia. "Doppelgänger Test Generation for Revealing Bugs in Autonomous Driving Software" in 45th IEEE/ACM International Conference on Software Engineering (**ICSE 2023**), May 14-20, 2023

[3] Yongfeng Gu, Yuntianyi Chen, Xiangyang Jia, Jifeng Xuan. "Multi-Objective Configuration Sampling for Performance Ranking in Configurable Systems" in 26th Asia-Pacific Software Engineering Conference (APSEC 2019), Putrajaya, Malaysia. December 2-5, 2019

[4] Yuntianyi Chen, Yongfeng Gu, Lulu He, and Jifeng Xuan. "Regression Models for Performance Ranking of Configurable Systems: A Comparative Study" in the Annual Conference on Software Analysis, Testing and Evolution (SATE 2019), Hangzhou, China. November 22-24, 2019

TALKS

- Lecture on the paper "Regression Models for Performance Ranking of Configurable 2019.11.22
  Systems: A Comparative Study" at the conference SATE 2019, Hangzhou, China

SKILLS AND INTERESTS

- **Research interests**: automated testing, autonomous driving systems, software configuration, transfer learning, artificial intelligence
- **Language skills**: Python, Java, C/C++