

Qiyuan Zhao

+86 18979030121 | +65 94461919 | zqy1018@hotmail.com

BIO

I am a Ph.D. student from VERSE lab at National University of Singapore advised by Prof. Ilya Sergey. Previously I earned my bachelor's degree in computer science from Shanghai Jiao Tong University, where I worked with Prof. Qinxiang Cao. My research interests include programming languages and software engineering.

EDUCATION

National University of Singapore

Ph.D. student in computer science

- Advisor: Prof. Ilya Sergey

Singapore

Jan 2023 – Now

Shanghai Jiao Tong University

Bachelor in computer science

- Advisor: Prof. Qinxiang Cao
- Bachelor's thesis: *Formalizing Denotational Semantics of Lambda Calculus in Coq*

Shanghai, China

Sep 2018 – Jun 2022

OTHER EXPERIENCE

Microsoft Research Asia

Research Intern

- Mentor: Chuan Luo (now Associate Professor at Beihang University)

Beijing, China (mostly working remotely)

Jul 2021 – Dec 2021

CONFERENCE PAPERS

Campactor: A Novel and Effective Local Search Algorithm for Optimizing Pairwise Covering Arrays

Qiyuan Zhao, Chuan Luo, Shaowei Cai, Wei Wu, Jinkun Lin, Hongyu Zhang, Chunming Hu

ESEC/FSE 2023

- Topic: software testing → combinatorial testing → pairwise testing

Generating Pairwise Covering Arrays for Highly Configurable Software Systems

Chuan Luo, Jianping Song, Qiyuan Zhao, Yibei Li, Shaowei Cai, Chunming Hu

SPLC 2023

- Topic: software testing → combinatorial testing → pairwise testing

SamplingCA: Effective and Efficient Sampling-based Pairwise Testing for Highly Configurable Software Systems

Chuan Luo, Qiyuan Zhao, Shaowei Cai, Hongyu Zhang, Chunming Hu

ESEC/FSE 2022

- Topic: software testing → combinatorial testing → pairwise testing

SCHOLARSHIPS AND AWARDS

NUS Research Scholarship

2023 – Now

Gold Medal (14th place) in the 45th ICPC Asia Shenyang Regional Programming Contest

Jul 2021

Silver Medal in the 45th ICPC Asia Shanghai Regional Programming Contest

Dec 2020

Zhiyuan Honor Scholarship

2019, 2020, 2021

College Freshman Scholarship

2018

SKILLS

Programming Languages: Skilled in C/C++, Python, OCaml, Coq.

Languages: Chinese (native speaker), English (fluent)