Zhiyu Fan

Ph.D Candidate @ National University of Singapore
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Education

- **National University of Singapore** — Singapore
  Ph.D Candidate., School of Computing — 2019.08 – present
  Advisor: *Abhik Roychoudhury, Shin Hwei Tan*

- **Southern University of Science and Technology** — ShenZhen, China
  B.E., Computer Science and Engineering — 2015.09 – 2019.07
  Advisor: *Shin Hwei Tan*

Publications(* Co-first author)

- **ITS: Experience of Linking Software Engineering and Programming Teaching**   arXiv'preprint
  <u>Zhiyu Fan</u>, Yannic Noller, Ashish Dandekar, Abhik Roychoudhury
  arXiv preprint, 2023

- **Concept-based Automated Grading of CS-1 Programming Assignments**   ISSTA'2023
  <u>Zhiyu Fan</u>, Shin Hwei Tan, Abhik Roychoudhury
  International Symposium on Software Testing and Analysis (ISSTA), 2023

- **Automated Repair of Programs from Large Language Models**   ICSE'2023
  <u>Zhiyu Fan</u>, Xiang Gao, Martin Mirchev, Abhik Roychoudhury, Shin Hwei Tan
  IEEE/ACM 45th International Conference on Software Engineering (ICSE), 2023

- **Verifix: Verified Repair of Programming Assignments**   TOSEM'2022
  Umair Z. Ahmed*, <u>**Zhiyu Fan***</u>, Jooyong Yi, Omar I. Al-Bataineh, Abhik Roychoudhury
  Transactions on Software Engineering and Methodology (TOSEM), 2022

- **A systematic evaluation of problematic tests generated by EvoSuite.**   ICSE'2019
  Zhiyu Fan
  ACM Student Research Competition @ ICSE, 2019

Services

- **PC Member for APR Workshop @ ICSE 2024**

- **Reviewer for SIGCSE 2024**

- **Reviewer for TSE 2023**

Awards and Honors

- **NUS SoC Research Achievement Award** — 2023.01

- **NUS Research Schloarship** — 2019.08 – Present

- **Bronze Medal in ACM Student Research Competition**   *ICSE 2019, ACM* — 2019.06

- **Outstanding Graduate Thesis Award of SUSTech** — 2019.06

- **Outstanding Graduate of SUSTech** 2019.05
- **ACM SIGSOFT CAPS Grants** *ICSE 2019* 2019.04
- **ACM SIGSOFT SRC Travel Award** *ICSE 2019* 2019.03
- **National Student Contest of Software Testing** *First Prize* 2018.11

Teaching experience

- **CS3213: Foundations of Software Engineering** National University of Singapore
  Head Teaching Assistant 2023.01 – 2023.04

- **CS3213: Foundations of Software Engineering** National University of Singapore
  Teaching Assistant 2022.01 – 2022.04

- **CS4211: Formal Method for Software Engineering** National University of Singapore
  Teaching Assistant 2020.08 – 2020.11

- **CS304: Software Engineering** Southern University of Science and Technology
  Teaching Assistant 2019.03 – 2019.06

- **CS303A: Introduction to Artificial Intelligence** Southern University of Science and Technology
  Teaching Assistant 2019.03 – 2019.06

- **CS102A: Java How to program** Southern University of Science and Technology
  Teaching Assistant 2016.09 – 2017.01