

# 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  
**Advisers:** *Abhik Roychoudhury, Shin Hwei Tan*
- **Southern University of Science and Technology** ShenZhen, China  
**B.E., Computer Science and Engineering** 2015.09 – 2019.07  
**Adviser:** *Shin Hwei Tan*

## Work Experience

- **Southern University of Science and Technology** Shenzhen, China  
**Position:** *Research Assistant* 2019.06 – 2019.08
- **Huawei Noah's Ark Lab** Shenzhen, China  
**Position:** *Software Engineer Intern* 2018.07 – 2018.09

## Publications

- **Verifix: Verified Repair of Programming Assignments** TOSEM'22  
Umair Z. Ahmed\*, **Zhiyu Fan\***, Jooyong Yi, Omar I. Al-Bataineh, Abhik Roychoudhury (\* Joint-first author)  
**Transactions on Software Engineering and Methodology, 2022**
- **A systematic evaluation of problematic tests generated by EvoSuite.** ICSE'19  
Zhiyu, Fan  
**ACM Student Research Competition @ ICSE, 2019**

## Awards and Honors

- **NUS Research Scholarship** *NUS* 2019.08 – Present
- **Bronze Medal in ACM Student Research Competition** *ICSE 2019, ACM* 2019.06
- **Outstanding Graduate Thesis Award of SUSTech** *Top 10%* 2019.06
- **Outstanding Graduate of SUSTech** *Top 10%* 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  
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

## Language Skills

- Chinese(native), English(fluent)