

# Hengcheng Zhu (朱恒成)

UG Student

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## Education

- **The Hong Kong University of Science and Technology**, MPhil (Will start from Aug. 2020)
  - In CASTLE research group, supervised by Prof. Shing-Chi Cheung
- **Southern University of Science and Technology**, Undergraduate (Sept. 2016 - Jun. 2020)
  - Major in Computer Science and Technology (GPA: 3.70/4.00)
  - Supervised by Prof. Yepang Liu
- **The Hong Kong University of Science and Technology**, Visiting internship student (Jul. 2019 - Dec. 2019)
  - In CASTLE research group, supervised by Prof. Shing-Chi Cheung
  - COMP4971A Independent Work

## Publications

- [SANER 2020] Zhaoxu Zhang<sup>#</sup>, **Hengcheng Zhu<sup>#</sup>**, Ming Wen, Yida Tao, Yepang Liu<sup>\*</sup>, and Yingfei Xiong. **How Do Python Framework APIs Evolve? An Exploratory Study**. In *Proceedings of the 2020 IEEE 27<sup>th</sup> International Conference on Software Analysis, Evolution and Reengineering*, London, Ontario, Canada, February 18-21, 2020, to appear.

## Enrolled research projects

- **Detecting Vulnerabilities in Smart Contracts via Static Analysis and Natural Language Processing** (Supported by the Climbing Program of Guangdong Province, PDJH2020C0060, SUSTech, Since Jan. 2020)
- **Automated Detection of Infinite Loops in Android Applications via Static Analysis** (SUSTech and Huawei, Since Oct. 2019)
- **Automated Software Quality Assurance Techniques for Taming Application Issues Induced by the Evolution of Mobile Computing Platform** (NSFC 61802164, SUSTech, Since Jul. 2019)
- **API Mocking for Unit Test Generation** (HKUST and WeBank, Since Jul. 2019)
- **Empirical Study on API Evolution in Python** (SUSTech, Since Feb. 2019)

## Honors and awards

- Postgraduate scholarship, HKUST, 2020 - 2021
- Outstanding students scholarship, Third Class, SUSTech, Oct. 2019
- Outstanding UG teaching assistant, CSE department, SUSTech, Jul. 2019
- Outstanding UG teaching assistant, CSE department, SUSTech, Jan. 2019
- Outstanding students scholarship, Third Class, SUSTech, Oct. 2018
- Outstanding students scholarship, Third Class, SUSTech, Oct. 2017
- Outstanding freshmen scholarship, Third Class, SUSTech, Oct. 2016

## Services

- **Student Volunteer**, The 28<sup>th</sup> ACM SIGSOFT International Symposium on Software Testing and Analysis (ISSTA 2019), Jul. 2019, Beijing, China

## Teaching

I worked as a teaching assistant of these UG courses in SUSTech

- **CS102A** Introduction to Computer Programming (A) (Spring 2020)
- **CS309** Object Oriented Analysis and Design (Fall 2019)
- **CS307** Database Principal (Spring 2019)
- **CS102A** Introduction to Computer Programming (A) (Spring 2019)
- **CS205** C/C++ Programming Language (Fall 2018)
- **CS102B** Introduction to Computer Programming (B) (Fall 2018)
- **CS102A** Introduction to Computer Programming (A) (Spring 2018)
- **CS101B** Introduction to Computer Science (B) (Fall 2017)