

# Xuan Xie

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## EDUCATION

**Sun Yat-sen University**

Guangzhou, China

Bachelor of Engineering in School of Data and Computer Science / Software Engineering / GPA: 3.6/4.0

## RESEARCH EXPERIENCE

**Sun Yat-sen University**

*Research Assistant (Supervised by Professor Jiajing Wu)*

*March-December, 2018*

- Found two critical issues in cross-version defect prediction: the selection of proper versions and class-overlapping files
- Proposed a model called CDS to solve the aforementioned issues
- Tried to extend the dataset which is not limited to Java

**Mobile Network and Big Financial Data Laboratory, Inplus Lab, SYSU**

*Laboratory Research Intern (Supervised by Professor Zibin Zheng and Professor Jiajing Wu)*

*March-December, 2018*

**Hong Kong University of Science and Technology**

*Visiting Intern (Supervised by Professor Shing-Chi Cheung)*

*July-December, 2018*

- Collected a benchmark dataset which contains over one hundred regression bugs
- Ran static bug finders on regression bugs and extract features from bug-inducing changes

**Southern University of Science and Technology**

*Visiting Student (Supervised by Professor Yepang Liu)*

*December-Present, 2018*

## TEAMWORK/TEACHING EXPERIENCE

**Sun Yat-sen University**

*The Mathematical Contest in Modeling (Group Member)*

*February, 2018*

- Responsible for modeling and optimizing modeling system
- Adopted Particle Swarm Optimization algorithm in model building
- Successfully generated prediction on future development of Tesla's Charging Stations and electronic vehicles

*Course Sign-in System Design (Group Member)*

*March, 2018*

- Discussed with group members in the project of designing a course sign-in system
- Responsible for front-end pages designing and testing for the interaction between front-end pages and back-end system

*Teaching Assistant for Software Engineering Project (Mid-level)*

*March-July, 2018*

- Assisted in answering academic inquiries from students and coached Java programming projects for students
- Maintained the school-developed assignment system MATRIX
- Renewed homework notification for undergraduates on the system

## PUBLICATION

*Exposing Library API Misuses via Mutation Analysis*

*ICSE 2019*

## ACADEMIC AWARDS

**Third-class Scholarship**

Sun Yat-sen University, 2017

**Third-class Scholarship**

Sun Yat-sen University, 2018

**Honorable Mention Award for COMAP's International Mathematical Contest in Modeling**

Sun Yat-sen University, 2018

## SKILLS AND INTERESTS

**Skills and Strengths:** C/C++ Programming; Java Programming; Machine Learning

**Research Focuses:** Machine Learning; Data Mining; Software Engineering

**Research Interests:** Defect Prediction; Software Engineering; Static Analysis Warning Prioritization

## LANGUAGE PROFICIENCY

**Chinese:** Native

**English:** Fluent (TOEFL: 94 CET-4: 608 CET-6: 537)