

# Xie Xuan

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## EDUCATION

### Sun Yat-sen University

Guangzhou, China

Freshman in School of Engineering/ Energy and Power Engineering

2015-2016

Bachelor of Engineering in School of Data and Computer Science / Software Engineering / GPA: 3.6/4.0 / Ranked: 27/120

2016-Present

## RESEARCH EXPERIENCE

### Sun Yat-sen University

Research Assistant (Supervised by Dr. Xiaoxing Yang)

September-December, 2017

- Replicated data extraction process and helped develop data retrieving process for defect prediction
- Retrieved useful data and information from literature related to data extraction and speeded research process

Research Assistant (Supervised by Professor Jiajing Wu)

March-Present, 2018

- Facilitated and assessed the choices of classifier with supervising professor
- Find the rule in the cross-version defect prediction
- Performed data analysis on research results and provided optimizational design for analyzing correlation between version log and the correctness of defect prediction

### Hong Kong University of Science and Technology

Visiting Intern (Supervised by Professor Shing-Chi Cheung)

July-Present, 2018

- Prioritization for static analysis warning

### Mobile Network and Big Financial Data Laboratory, Inplus Lab

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

March-Present, 2018

## LEADERSHIP/TEAMWORK 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 Leader/Supervised by Professor Yang Yi)

March, 2018

- Managed and distributed main tasks to group members in the project of designing a course sign-in system
- Responsible for back-end database system programming and database design

Teaching Assistant (Supervised by Professor Kun Zeng)

March-Present, 2018

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

Genealogy Family Tree System (Group Leader)

May-July, 2017

- Designed Binary Tree and collected information needed on genealogy family tree from online database

## PUBLICATION

An Analysis on the Relationship between Defect Prediction and Time of Version Update Log

(To be published)

## ACADEMIC AWARDS

Third-class Scholarship

Sun Yat-sen University, 2017

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; Database System (MySQL); Machine learning; Data Mining;

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

**Research Interests:** Defect Prediction; Static Analysis

## LANGUAGE PROFICIENCY

Chinese: Native

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