

# Xie Xuan

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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 / Ranked: 27/120  
2015-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 system 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

**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

*Vowel Prediction System* (Group Core Member)

July, 2017

- Used Data Mining in designing a system used for predicting vowels in English lexis

*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:** Algorithm Designing; C/C++ Programming; Database System (MySQL); Computer Networks;  
Machine learning; Data Mining;

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

**Research Interests:** Defect prediction combining neural network;  
Perfection on online defect prediction.

## LANGUAGE PROFICIENCY

**Chinese:** Native

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