Xuan Xie

86 18520955903

xiex27@mail2.sysu.edu.cn

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

Research Assistant (Supervised by Professor Jiajing Wu)   *March-Present, 2018*
   •Found two critical issues in cross-version defect prediction: the selection of proper version and class-overlapping file
   •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
Laboratory Research Intern (Supervised by Professor Zibin Zheng and Professor Jiajing Wu)   *March-Present, 2018*

Hong Kong University of Science and Technology
Visiting Intern (Supervised by Professor Shing-Chi Cheung)   *July-Present, 2018*
   •Found the rule of API misuses
   •Designed MUTAPI, an approach to discovering API misuse patterns via mutation analysis

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

CDS: A Cross-Version Software Defect Prediction Model with Data Selection   (Draft to ICSE 2019)
Exposing Library API Misuses via Mutation Analysis   (Draft to ICSE 2019)

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; Java Programming; 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)