

XAVIER LEE EUGENE

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EDUCATION

Nanyang Technological University, Singapore

Aug 2020 – Present

- Bachelor Of Engineering in Computer Science (CS) with Honours
- Expected Honours (Highest Distinction), CGPA: 4.51/5.00

SKILLS

COMPUTER: Python, C, Java, C++, HTML5, CSS3, JavaScript, React-Native, Spring Boot, Angular, Jasmine, Junit, MySQL, Git

LANGUAGES: English, Chinese

WORK EXPERIENCE

SOFTWARE ENGINEER INTERN, *Government Technology Agency (GovTech), Singapore*

Jan 2023 – Jun 2023

- Developed backend microservices utilizing Java Spring Boot.
- Created unit tests, integration tests, smoke tests, and end-to-end tests using Junit Framework.
- Improved frontend software quality and code coverage from 71% to 85% using Jasmine Framework.
- Collaborated with Quality Assurance on test automation and bug fixes.
- Communicated with UX and Service designers to provide technical feasibility on design matters.

IT SYSTEM ADMINISTRATOR, *Singapore Armed Forces (National Service)*

Aug 2018 – Feb 2020

- Monitored and maintained network systems for command, control and communication of information.
- Assisted in implementation of network security monitoring systems.
- Devised network plans and facilitated technical set-ups for Army Leadership Planning Seminar 2019.
- Conducted classes and examinations for over 20 specialists to develop basic computing, networking, and technical skills.

ACADEMIC/PERSONAL PROJECTS

Project – Personal Website

Oct 2022 – Oct 2022

- Built a fully completed personal website using HTML5, CSS3, and JavaScript.
- Developed dashboards for better visualization of past project data and analytics.

Project – MeetWhere Mobile Application

Jan 2022 – May 2022

CZ2006: Software Engineering - NTU

- Developed a decision-making mobile application using React Native framework with JavaScript to help individuals find suitable meeting destinations.
- Designed Software Requirements Specification documentation with sequence diagrams, dialogue map, system architecture design, and class diagram.

Project – Predicting Movie Sequels

Jan 2021 – May 2021

CZ1115: Introduction to Data Science and Artificial Intelligence - NTU

- Predicted sequel probability using movie characteristics in Python with 84% test accuracy.
- Performed data extraction, data preparation, and data cleaning, and exploratory analysis on dataset.
- Programmed machine learning techniques such as Random Forest and XGBoost and tuned its hyperparameters to improve test accuracy and 10-fold cross validation scores.

LEADERSHIP EXPERIENCE & EXTRACURRICULAR ACTIVITIES

CHAIRPERSON, *Saraca Hall Night Cycling*

May 2022 – Sep 2022

- Led and managed 18 event committee members.
- Managed financial, publicity, and logistics operations through the development of multiple detailed workplans and budgeting exercises.
- Achieved sponsorships through strategic negotiations with external organisations and sponsors.

HONORARY FINANCIAL SECRETARY, *NTU Saraca Hall Council*

Sep 2021 – Sep 2022

- Oversaw the Council's overall finances, financial operations, and communications between external stakeholders.
- Strategized for the prudent use of Council funds and oversee the preparation, maintenance and systematizing of all financial documents relating to the Council's operations.
- Led and managed all 15 hall main committee members and over 60 subcommittee members.
- Spearheaded fund raising efforts, as well as organise hall events across the academic year.