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
- Relevant Coursework Distinctions: Software Engineering, Net Centric Computing, Advanced Computer Architecture, Introduction to Databases, Operating Systems, Object Oriented Design and Programming, Data Structures and Algorithms, Artificial Intelligence, Computer Organisation and Architecture, Discrete Mathematics

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.
- Utilized: Java, Spring Boot, TypeScript, Angular, Jasmine, Junit

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 computing and technical skills.

INFORMATION TECHNOLOGY TECHNICIAN (PART-TIME), *Micro 2000 Technology* — Nov 2015 – Dec 2015
- Installed, maintained and upgraded sophisticated software programs on computer devices.

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

BUSINESS MANAGER, *NTU Saraca Hall* — Oct 2022 – Present
- Organized fund raising events to raise funds for Saraca Hall Transition Orientation Programme 2023.
- Achieve sponsorships through strategic negotiations with external organisations and sponsors.

CHAIRPERSON, *Hall Elections Committee* — Jul 2022 – Sep 2022
- Oversaw the entire election process, including nomination, interviewing, campaigning, and voting.
- Led and managed 3 committee members to ensure smooth election process.
- Developed and distributed election guidelines to candidates and voters.

- Tabulated and reported the election results to candidates and voters.

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.

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 and organised hall events across the academic year.

FOUNDER/CAPTAIN, *NTU Saraca Hall Ultimate Frisbee Team*   Apr 2021 – Sep 2022
- Gathered support from over 70 active hall members through initiatives and events to establish the team.
- Oversaw financial and logistics operations, administrative matters, and training procedures.
- Led a team of 22 hall team members to represent NTU Saraca Hall in Inter-Hall Games.
- Directed planning and organized events to promote the sport.
- 1st Runner Up and Most Valuable Player (NTU Sports Challenge 2022 – Ultimate Frisbee).

BUSINESS MANAGER SUBCOMMITTEE, *NTU Saraca Hall*   Mar 2022 – Aug 2022
- Assisted in fund raising events for Saraca Hall Transition Orientation Programme 2022.

GROUP LEADER, *School of Computer Science and Engineering*   Jun 2021 – Aug 2021
- Conducted activities and talks to engage 20 university freshmen during the SCSE Transition Orientation Programme 2021.
- Coached university freshmen in creating effective degree course curriculum.

PROGRAMMER, *NTU Saraca Hall*   Jun 2021 – Aug 2021
- Designed and facilitated virtual activities for participants of the Saraca Hall Transition Orientation Programme 2021.

SECRETARY/SCHOOL TEAM MEMBER, *Catholic Junior College Fencing Club*   Jan 2016 – Sep 2017
- Managed financial records and administrative duties for the team with great efficiency and precision.
- Directed planning of events for the club such as annual college Open House and CCA Fair.
- Mixed Foil Individual Bronze Medallist (Fencing Masters Classic Championships 2017).
- Represented Catholic Junior College Fencing Club in National Inter-School Fencing Championships 2017.

SKILLS

PROGRAMMING LANGUAGES: Python, C, Java, C++, HTML5, CSS3, JavaScript, TypeScript
FRAMEWORKS: React-Native, Spring Boot, Angular, Jasmine, JUnit
DATABASE: MySQL
VERSION CONTROL: Git
LANGUAGES: English, Chinese