Alexus LIM

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EDUCATION

Nanyang Technological University, Singapore　　　　　　　　　　　Aug 2021 – May 2025
Bachelor of Engineering (Computer Science)
- Expected Honours (Distinction), Current CGPA: 4.25/5.00

ACADEMIC PROJECTS

Nanyang Technological University, Singapore
Software Engineering Project　　　　　　　　　　　　　　　　　Jan 2023 – Apr 2023
Title: REvaluate
- Developed a website where users can view and compare housing prices in Singapore; implemented using ReactJS, NodeJS, CSS and MongoDB in a group of 6.
- Formulated website's functionality utilising various diagrams, such as Use-Case diagrams, Sequence Diagrams and State Diagrams. Designed the User Interface with Figma.
- Engaged in agile project management, collaborated on Jira using agile methodology practices.
- Brainstormed and generated ideas for project. Pitched ideas for features to expand utility and functionality.

Object-Oriented Programming Project　　　　　　　　　　　　　Sep 2022 – Nov 2022
Title: Movie Booking and Listing Management Application (MOBLIMA)
- Developed a cinema management system where users can book tickets and staff can update cinema database; accomplished using Java in a group of 5.
- Organised application documentation, rewriting code to be more readable and creating essential entity classes.
- Applied SOLID design principles and Object-Oriented Programming concepts to design an application with high cohesion and low coupling; a system where related classes are grouped together and are independent of each other.

Introduction to Data Science & AI Project　　　　　　　　　　　Sep 2022 – Nov 2022
Title: COE Trading Bot
- Performed data exploration on Singapore's Certificate of Entitlement (COE) prices and GDP trend datasets by utilising Python, Numpy, Matplotlib and Pandas, leading a group of 3.
- Executed a Linear Regression model, ran a trading simulation and made a profit.

PERSONAL PROJECTS

Personal Website
- Learnt HTML & CSS during winter break, developed a personal website hosted on GitHub Pages

WORK EXPERIENCE

Sinopec Lubricant (Singapore) Pte. Ltd　　　　　　　　　　　　Mar 2021 – Apr 2021
Part-time Customer Service Staff
- Managed customers and answered queries, also guided traffic. Helped to refine the interpersonal skills gained from national service.

Singapore Police Force　　　　　　　　　　　　　　　　　　　Feb 2019 - Feb 2021
Patrol Officer, Public Transport Security Command
- Patrolled MRT Stations and Bus Interchanges around Singapore, leading groups of 4.
- Conducted security checks on suspicious persons and interacted with community members, helping those in need. Picked up valuable interpersonal skills through these experiences better stress management.
- Mentored incoming juniors and guided in performing day-to-day tasks. Learned how to collaborate with different learning styles and personalities.

CO-CURRICULAR ACTIVITIES

Symphonic Band　　　　　　　　　　　　　　　　　　　　　　Jan 2017 – Jun 2018
Low Brass Section Leader
- Arranged games and section outings for 10 section mates to encourage interaction and bonding.
- Trained newcomers on musical skills during training sessions to enhance ability to perform.

SKILLS

Languages: English, Chinese, Malay
Programming Languages: Java, Python, C, JavaScript, SQL
Web Development: HTML, CSS

Other Skills: GitHub, Zoom, Microsoft Teams, Jira

HOBBIES & INTERESTS

Running, Watching documentaries, Playing video games, Playing musical instruments (Tuba and Euphonium), Learning new programming languages