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Employment

Developer	NUS Computing Club	2022 – Present
<ul style="list-style-type: none">Lead a team of five-man student developers to collaborate on open source projects, fostering a community of learning and growth for budding coders at NUS, such as contributing to innovative apps in the NUS ecosystem.		
NUS STePs	National University of Singapore	2022
<ul style="list-style-type: none">Developed a web-based appointment booking app using JavaScript, HTML, and CSS for the front-end and Java EE for the back-end. This application handles scheduling, appointment notification, and payment details using payment APIs.		

Education

Singapore	National University of Singapore	2021 – 2023
<ul style="list-style-type: none">B.S. in Information Systems (Honours).Relevant Coursework: Data Structures and Algorithms, Web Development, Mobile App Development, Database Systems, and Machine Learning/Artificial Intelligence.		

Projects

Decentralized Social Media	Jan 2023 - June 2023
<ul style="list-style-type: none">Redefining the social media landscape by putting user privacy and data security at the forefront of operations.Mounted on the Ethereum blockchain, providing unparalleled transparency and user control.Deployed using Solidity and Ganache, Mocha for unit testing.	
Slumber Watch	Jan 2023 - June 2023
<ul style="list-style-type: none">IoT project designed to ensure the safety and well-being of babies during their sleep.Trained and run advanced computer vision and data analytics libraries to monitor baby sleeping position and patterns.Implemented SvelteKit/TailWindCSS for front-end, Flask/MySQL/SQLite for back-end, MicroPython/JS/C++ for micro-controller instructions.Developed on a Raspberry Pi, ESP32, Micro:bit for IoT use-cases.	
Doctor Where Project	Aug 2022 - Dec 2022
<ul style="list-style-type: none">A robust and user-friendly platform dedicated to streamlining the process of booking appointments with clinicians and General Practitioners.Featured in NUS STePs 2022, voted most popular project within category.Designed using Angular/Bootstrap for front-end, Java EE and EJB for back-end.	
Rental Data Analysis Pipeline	Jan 2023 - June 2023
<ul style="list-style-type: none">A ML data pipeline design to ingest in scraped data about rental listings in Singapore and return users the expected rental price of their property.Operating the latest ML models, including XGBoost and different Neural Net architectures.Used TensorFlow, BS4/Scrapy, XGBoost and other relevant ML libraries. Data gathering automated via Airflow. UI generated via Gradio.	

Skills

- Programming Languages: Java, Python, JavaScript/TypeScript, Go/Rust
- JavaScript Frameworks: Angular, React, Svelte
- Database Frameworks: MySQL, PostgreSQL, MongoDB
- DevOps: Docker, Jenkins, Kubernetes

- Cloud Services: AWS, Google BigQuery, Azure, Vercel