NG XUAN YI

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EDUCATION

Nanyang Technological University   Aug 2021 - Present
- Penultimate UG/Bachelors
  Double Degree in Business (Specialisation in Data Analytics) & Computer Science
- Expected Graduation: June 2026

Hackathons
- PSA Code Sprint 2023 [Consolation Prize]
- SCSE TechFest Hackathon 2023 [Participant]
- Google Hash Code 2022 [Participant]
- Shopee Code League 2022 [Participant]

PROJECTS

PandaPlay | MERN Stack [Work-In-Progress]   Jun 2024 - Present
- Developed a dynamic anime streaming platform using MongoDB, Express.js, React, and Node.js.
- Implemented a search functionality enabling users to find and watch their favourite anime series seamlessly.
- Designed an intuitive homepage showcasing popular anime to enhance user engagement.
- Planned and began integration of key features such as user authentication, comment sections, and personalised watchlists to improve user experience.

Bus Express SG | Android (Kotlins + Jetpack Compose)   Dec 2022
- Published an application that details the arrival timings, occupancy rates, and other details of Singaporean buses on Google Playstore, by retrieving relevant information from LTA Datamall APIs via Retrofit and Room APIs.
- Furnished the application UI layer with beautiful aesthetics using Material Design & Jetpack Compose.
- Provided accessibility features whenever possible with Google's Talkback.
- Implemented dark mode, navigation features, and allowing users to create a favourites list.

Finance | Flask   May 2022 - Jun 2022
- Developed a responsive stock trading web application that allows users to "buy" & "sell" stocks, using the
- Python Flask Framework, SQLite3, HTML, CSS, and Jinja Templating.
- Communicates with Yahoo's API to download stock quotes in real time.
- Developed the database in SQLite3, before deploying the web application on Render.
- Other QOL features includes a transaction history, changing of passwords, and adding of funds.

WORK EXPERIENCE

Continental Automotive Singapore Pte Ltd | Software Engineer Intern   July 2024 - Present
- Created a Bash script to automatically deploy Docker containers for a Django web application focused on fuzzing techniques, reducing confusion and saving 5 hours each month when computers are booted up.
- Responsible for developing and maintaining a custom Power BI visual for the Continental German team, utilising the Visual API, TypeScript, and JavaScript.

EV-Electric (EVe) Charging Pte Ltd | Data Analyst Intern   May 2023 - Jul 2023
- Developed a web scraping script to extract EV Charger locations and associated EV Operators in Singapore for geo-spatial analysis, facilitating strategic installation of additional or fast EV chargers.
- Automated data report generation by centralising datasets, resulting in a monthly time savings of 10 manpower hours previously spent on compilation.
- Analysed and visualised EV owners' charging behaviour, identifying over-subscribed carparks and recommending areas for additional charger deployment.
- Created scripts to scrape and monitor daily petrol and EV charging prices in Singapore, aiding in market price analysis.

SKILLS

Languages	: C, C++, Python, Java, Javascript, R, Kotlins
Frameworks	: Django, Django REST, Flask, Retrofit, Pandas, Bootstrap, Express.js, Node.js
Frontend	: HTML, CSS, SASS, Jinja Templating, Android Compose, ReactJS, Angular
Databases	: SQLite3, MySQL, MongoDB
Others	: Git, Unit Testing, Docker, AWS, Data Analytics, Figma, Adobe Premier Pro, Unix