

PANG HWEE MIN, JUNE

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EDUCATION

BSc (Hons) in Computer Science

SIM GE - Goldsmiths, University of London

Apr 2022 - Mar 2024

BEng (Hons) in Systems Engineering (ElectroMechanical Systems)

SIT - DigiPen Institute of Technology

Sept 2020 - May 2021

(Completed 2 trimesters)

Diploma in Business Applications

Republic Polytechnic

Apr. 2017 - Mar 2020

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, C++, SQL

Frameworks: React, React Native, Node.js, p5.js, ASP.NET

Others: Git, Jupyter Notebook, Firebase, LaTeX, Markdown

WORK EXPERIENCE

Application Support Engineer, Intern

Mar 2019 - Aug 2019

IHiS (Integrated Health Information Systems) (now Synapse)

- Collaborated in a project team for implementing Real-Time Location System within the National Centre for Infectious Diseases (NCID).
- Conducted System integration tests to identify functional issues in the system.
- Performed on-site inspections, verifying the accuracy of receivers, floorplan zones, and Wi-Fi synchronisation.
- Liaised with external vendor and reported key developments to the project manager, ensuring smooth project progression.
- Assisted in on-site troubleshooting and issue tracking during the system's go-live phase.

PROJECTS

WatchJourney mobile app | React Native, Expo, Firebase

Sept 2023

- A mobile app for monitoring and managing TV series and movie watchlists.
- Tv show and movie contents are fetched from TMDB's API.
- Key features: Authentication using Firebase, search functionality, personal watchlist curation, sharing of watchlists, dark/light theme toggle.
- GitHub Repository: github.com/jxne00/WatchJourney

Study Lounge | Next.js, Tailwind

Sept 2023

- A virtual study space with a pomodoro timer, to-do list component, and a note taking area. Each component can be shown/hidden by toggling the checkbox on the sidebar.
- LocalStorage is used to store to-do list items and notes.
- Project is deployed on Netlify.
- GitHub Repository: github.com/jxne00/study-lounge

Sentiment Analysis on Tweets | *NLTK, scikit-learn, Naïve Bayes, Logistic Regression*

July 2023

- Trained a Multinomial Naive Bayes classifier and Logistic regression model to classify tweets based on their sentiment: positive, negative, or neutral.
- Carried out data pre-processing on data sourced from Kaggle (Stop word removal, lemmatization, and tf-idf representation).
- Generated confusion matrices and classification reports to evaluate and compare the performance of both classifiers.
- Read Here: jxne00.github.io/brand-mentions-sentiment/Sentiment%20Analysis

Exploratory data analysis | *Pandas, Matplotlib, Webscraping*

Dec 2022

- An in-depth analysis to explore the correlation between university rankings and employment outcomes of fresh graduates from Singapore's local universities between year 2015 to 2021.
- Applied thorough data cleaning and pre-processing techniques on the "Graduate Employment Survey", an open dataset sourced from Data.gov.sg.
- Conducted web scraping (ethically) to gather university ranking data from well-known ranking systems.
- Created visualizations through bar graphs, line graphs, and scatter plots to show the relationships within the data.
- Read here: jxne00.github.io/uni-rank-analysis/uni-rank-analysis

Audio Mix DJ Player | *C++ JUCE Framework*

July 2022

- A music player that allows loading and playing of tracks, with the ability to adjust its playback speed, volume, and position.
- Other features: Crossfading of two tracks, playlist component with search functionality, and adding to queue.
- Demonstrates object-oriented programming concepts.
- GitHub Repository: github.com/jxne00/AudioMix

Food Ordering System | *ASP.NET, SQL, HTML*

2019, Poly FYP

- A food ordering system with CRUD functionalities for user accounts, food menu items, customer's orders, Promotions.
- As the leader of my four-member team, I coordinated weekly meetings, supported team members with their tasks, and managed the integration of individual contributions.
- My contributions: Write SQL statements to create the database structure based on ERD. Authentication of users, CRUD of customer accounts, generate charts to show customer's order patterns.
- GitHub Repository: github.com/jxne00/JEPS-food-ordering-system

ACADEMIC ACHIEVEMENTS

Certificates

- AWS Academy Cloud Foundations
- SAP University Alliances (Certificate of Participation)

Awards

- Director's Roll of Honour | Republic Polytechnic (2020)
- Edusave Certificate of Academic Achievement (2019 & 2020)