PANG HWEE MIN, JUNE

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Portfolio: https://jxne.netlify.app/ | GitHub: https://github.com/jxne00

EDUCATION

BSc (Hons) in Computer Science   *Apr 2022 – Mar 2024*
SIM GE - Goldsmiths, University of London

BEng (Hons) in Systems Engineering (ElectroMechanical Systems)   *Sept 2020 – May 2021*
SIT - DigiPen Institute of Technology   *(Completed 2 trimesters)*

Diploma in Business Applications   *Apr. 2017 – Mar 2020*
Republic Polytechnic

TECHNICAL SKILLS

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

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

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

WORK EXPERIENCE

Application Support Engineer, Intern   *Mar 2019 – Aug 2019*
IHiS (Integrated Health Information Systems) (now Synapxe)

- 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.

ACADEMIC ACHIEVEMENTS

Certificates

- AI4I® – Literacy in AI (Certificate of Completion)
- 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)

PROJECTS

Taskery Mobile App | *React Native, Expo, Firebase, Redux*   *Mar 2024, BSc FYP*
- A task manager mobile app that integrates personal task management with social interaction features.
- Redux is used for state management, with Redux Thunk to handle async actions like fetching data from Firestore.
- Key features: Authentication using Firebase Auth, CRUD of tasks, blog-like community timeline
- GitHub Repository: github.com/jxne00/Taskery

Deep Learning on Sign Language MNIST | *Tensorflow, Keras, Dense Neural Network*   *Feb 2024*
- Experimented with different Dense Neural Network configurations such as the number of layers and neurons.
- Applied different Regularization techniques like early stopping, dropout layers, L1 and L2 regularization.
- Conducted hyperparameter tuning using a custom grid search implementation to find the optimal hyperparameters.
- Read here: jxne00.github.io/sign-language-mnist

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

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

Spotify Charts | *SQL, Node.js, Express.js, HTML*   *July 2022*
- A web application that displays Spotify charting information queried from an SQL database. Built using Node.js and Express for the backend, and HTML, CSS, and EJS for the frontend.
- The data used was obtained from Kaggle, then cleaned and normalised before it was used to setup the database.
- GitHub Repository: github.com/jxne00/SpotifyCharts