

EDUCATION

Fanshawe College

Audio Post-Production

London, Ontario

Aug. 2022 – May 2023

The Hong Kong Polytechnic University

BSc(Hons) in Internet and Multimedia Technologies

Hong Kong

Aug. 2018 – Aug. 2022

TECHNICAL SKILLS

Languages: Python, SQL (Postgres), NoSQL(MongoDB and Firebase Database), JavaScript, HTML/CSS

Frameworks: React/NextJS, Bootstrap/Tailwind, Node.js/Express, FastAPI

Developer Tools: Docker, Git, GCP, VS Code, Anaconda

Libraries: Redux, Redux-Toolkit, ChartJS, Keras, Tensorflow/ TensorflowJS

Spoken Languages: Cantonese, Mandarin, English

Other skills:: Sound Design, Pro-tools (Dolby Atmos Mixing), Blender (3D-modeling), Premiere Pro

EXPERIENCE

Web Developer - Internship

TOP COMMUNICATION

December 2021 – February 2022

Hong Kong

- Participate in an internal communication app project
- Handle front-end request in the back-end side, and improve back-end efficiency
- Design different components with Figma, like button, transition between pages

Web Developer - Trainee

TOP COMMUNICATION

June 2021 – August 2021

Hong Kong

- Participate in a website project (HTML, CSS, JavaScript), perform trial test, improve user experience
- Write down quality control plan with seniors/ supervisor
- Design different components with Figma, like button, transition between pages

PROJECTS

E-Commerce Amazon Clone | *NextJS, Redux, Tailwind, MongoDB*

- To Clone Amazon main features, including add-to-cart, login/logout, payment, searching and so on
- It allows user with admin authority to view the revenue, cancel order, and upload/edit product info.
- Link it with the **MongoDB** to store user information, orders, products

MERN project - GPS Expense Tracker | *React Native, Bootstrap, Node.JS, Express MongoDB*

- To track user's location by using their mobile device's GPS, once they stay inside 'cost-money' locations more than N mins, the locations will be stored in database
- With the use of GPS of mobile device, **Geolocation API**, **Places API** to detect if a user stays inside the place
- A "Statistic" tab will calculate all the expenses and bills

Calenther - Weather Forecast + Calendar | *NextJS, Redux, Bootstrap, Firebase Database*

- Integrate Calendar with Weather Forecast Information esp. for people always travel around the world
- With the use of **OpenWeather**, **WeatherAPI** and **Geolocation API**
- Use of **Firebase Database** to store user's destination and planned events

Sound Event Detection Website | *Python, Anaconda, GCP, Flask, Fast API, React.js*

- Detect **10 types of sound events** like the sound recognition system of iPhone
- Model: 2D-Convolutional Neural Network with Mel-Spectrogram, with database UrbanSound8K
- Integrating the machine learning and web development with **Flask**, **Fast API**, **React.js**

Full stack - School Intranet | *JavaScript, HTML/CSS, MySQL, PHP*

- Build up a School Intranet which can store students' information, examination system and performance
- Utilize **HTML/CSS**, **JavaScript** to design and develop 'admin and user' versions
- Use **MySQL** to store admins and students' data, and **PHP** to interact with back-end and front-end