

EDUCATION

Fanshawe College <i>Audio Post-Production</i>	London, Ontario Aug. 2022 – May 2023
The Hong Kong Polytechnic University <i>BSc(Hons) in Internet and Multimedia Technologies</i>	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 <i>TOP COMMUNICATION</i> <ul style="list-style-type: none">Participate in an internal communication app projectHandle front-end request in the back-end side, and improve back-end efficiencyDesign different components with Figma, like button, transition between pages	December 2021 – February 2022 Hong Kong
Web Developer - Trainee <i>TOP COMMUNICATION</i> <ul style="list-style-type: none">Participate in a website project (HTML, CSS, JavaScript), perform trial test, improve user experienceWrite down quality control plan with seniors/ supervisorDesign different components with Figma, like button, transition between pages	June 2021 – August 2021 Hong Kong

PROJECTS

MERN project - GPS Expense Tracker <i>React Native, Bootstrap, Node.JS, Express MongoDB</i> <ul style="list-style-type: none">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 databaseWith the use of GPS of mobile device, Geolocation API, Places API to detect if a user stays inside the placeA "Statistic" tab will calculate all the expenses and billsDeployed back-end server on Heroku, and front-end on Netlify	2023
Calenther - Weather Forecast + Calendar <i>NextJS, Redux, Bootstrap, Firebase Database</i> <ul style="list-style-type: none">Integrate Calendar with Weather Forecast Information esp. for people always travel around the worldWith the use of OpenWeather, WeatherAPI and Geolocation APIUse of Firebase Database to store user's destination and planned events	2022-2023
Learning Language Website <i>React, Redux, Tailwind, Firebase Database</i> <ul style="list-style-type: none">A self-learning website, to record unfamiliar vocabularies, and test language abilityWith the use of Datamuse API and Wordnik API to build up a system to judge if created phrase is 'accepted' or notUse of Firebase Database to store user's vocabularies and 'accepted' phrases	2022-2023
Sound Event Detection Website <i>Python, Anaconda, GCP, Flask, Fast API, React.js</i> <ul style="list-style-type: none">Detect 10 types of sound events like the sound recognition system of iPhoneModel: 2D-Convolutional Neural Network with Mel-Spectrogram, with database UrbanSound8KIntegrating the machine learning and web development with Flask, Fast API, React.js	2021-2022
Full stack - School Intranet <i>JavaScript, HTML/CSS, MySQL, PHP</i> <ul style="list-style-type: none">Build up a School Intranet which can store students' information, examination system and performanceUtilize HTML/CSS, JavaScript to design and develop 'admin and user' versionsUse MySQL to store admins and students' data, and PHP to interact with back-end and front-end	2020-2021