

## EDUCATION

<b>Fanshawe College</b> <i>Audio Post-Production</i>	London, Ontario Aug. 2022 – May 2023
<b>The Hong Kong Polytechnic University</b> <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

<b>Web Developer - Internship</b> <i>TOP COMMUNICATION</i> <ul style="list-style-type: none"><li>Participate in an internal communication app project</li><li>Handle front-end request in the back-end side, and improve back-end efficiency</li><li>Design different components with Figma, like button, transition between pages</li></ul>	December 2021 – February 2022 Hong Kong
<b>Web Developer - Trainee</b> <i>TOP COMMUNICATION</i> <ul style="list-style-type: none"><li>Participate in a website project (HTML, CSS, JavaScript), perform trial test, improve user experience</li><li>Write down quality control plan with seniors/ supervisor</li><li>Design different components with Figma, like button, transition between pages</li></ul>	June 2021 – August 2021 Hong Kong

## PROJECTS

<b>MERN project - GPS Expense Tracker</b>   <i>React Native, Bootstrap, Node.JS, Express MongoDB</i> <ul style="list-style-type: none"><li>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</li><li>With the use of GPS of mobile device, <b>Geolocation API</b>, <b>Places API</b> to detect if a user stays inside the place</li><li>A "Statistic" tab will calculate all the expenses and bills</li><li>Deployed back-end server on <b>Heroku</b>, ad front-end on <b>Netlify</b></li></ul>	2023
<b>Calenther - Weather Forecast + Calendar</b>   <i>NextJS, Redux, Bootstrap, Firebase Database</i> <ul style="list-style-type: none"><li>Integrate Calendar with Weather Forecast Information esp. for people always travel around the world</li><li>With the use of <b>OpenWeather</b>, <b>WeatherAPI</b> and <b>Geolocation API</b></li><li>Use of <b>Firebase Database</b> to store user' destination and planned events</li></ul>	2022-2023
<b>Learning Language Website</b>   <i>React, Redux, Tailwind, Firebase Database</i> <ul style="list-style-type: none"><li>A self-learning website, to record unfamiliar vocabularies, and test language ability</li><li>With the use of <b>Datamuse API</b> and <b>Wordnik API</b> to build up a system to judge if created phrase is 'accepted' or not</li><li>Use of <b>Firebase Database</b> to store user' vocabularies and 'accepted' phrases</li></ul>	2022-2023
<b>Sound Event Detection Website</b>   <i>Python, Anaconda, GCP, Flask, Fast API, React.js</i> <ul style="list-style-type: none"><li>Detect <b>10 types of sound events</b> like the sound recognition system of iPhone</li><li>Model: 2D-Convolutional Neural Network with Mel-Spectrogram , with database UrbanSound8K</li><li>Integrating the machine learning and web development with <b>Flask</b>, <b>Fast API</b>, <b>React.js</b></li></ul>	2021-2022
<b>Full stack - School Intranet</b>   <i>JavaScript, HTML/CSS, MySQL, PHP</i> <ul style="list-style-type: none"><li>Build up a School Intranet which can store students' information, examination system and performance</li><li>Utilize <b>HTML/CSS</b>, <b>JavaScript</b> to design and develop 'admin and user' versions</li><li>Use <b>MySQL</b> to store admins and students' data, and <b>PHP</b> to interact with back-end and front-end</li></ul>	2020-2021