

Education

The Hong Kong Polytechnic University – Hong Kong

Full-Time Student in **BEng (Hons) Civil Engineering** | September 2018 – August 2022

- GPA: 3.17/4.00

Purdue University – USA

Exchange Student in **BEng (Hons) Civil Engineering** | January 2020– June 2020

Experience

OK Systems – Hong Kong

Junior Frontend Developer | September 2022 – Present

- Translated the design team's UX wireframes and mockups into responsive and dynamic 70+ user-facing features with **Next.js** and **Redux**
- Assisted in building a CI/CD pipeline for deployment of development and production servers on **Microsoft Azure** and configured various entry points on **Azure Front Door**
- Improved the load speed of the web platform by 10% by applying **browser caching** with Apollo Client, **optimizing images** with OpenGraph, and implementing **dynamic imports**
- Utilized: React.js, Next.js 13, SCSS, GraphQL, Microsoft Azure, i18n, Mapbox SDK, Docker

Midas Analytics– Hong Kong

Software Development Intern | June 2021 – Present

- Developed a dynamic user interface for data analytics platform using **MERN** stack with **Typescript**
- Connected customized data scrapers to the backend using **REST APIs** and visualized queried data from **Mongo Atlas** on the frontend using **D3.js** library
- Assisted in designing a web architecture for product deployment on **Amazon Web Services (AWS)**
- Utilized: React.js, Node.js, Express.js, Mongo Atlas, Typescript, Git, Amazon Web Services (AWS)

Chocogroup – Kazakhstan

Software Development Intern | July 2021 – September 2021

- Developed 20 views with **Django** to create a user-friendly website interface
- Built and developed effective user interface guidelines and standards throughout the development and maintenance of the website using **HTML, CSS, JavaScript and jQuery**
- Designed and created APIs, a database model and views utilization to build responsive web applications
- Utilized: Spring MVC to consume REST APIs; HTML, CSS, JavaScript and jQuery to display the data in the front end

Projects

Direction finding web application

- Built a full-stack web app using **Django(Python)** to allow users to find the path and directions for specified address and store users' personal address
- Incorporated Google APIs such as Places, Directions, Maps JavaScript and reCAPTCHA
- Utilized: Python, JavaScript, Google APIs, AJAX and HTML/CSS

The Hong Kong Techaton

University Startups Program | October 2018

- Collaborated in a group of 3 to design **smart pedestrian tiles** which generate eco-friendly electrical energy from mechanical energy
- Produced a prototype of the smart tile concept and presented a full business plan of the project
- Communicated with other contest participants to form a strong team and set goals using the **SMART** approach

To Do List

- Developed user-friendly web application using **Django (Python)** with login page and task recording functions
- Used Class-based views, mixins and QuerySet for optimization of the application
- Utilized: Python, HTML

Achievements

- The Hong Kong Institution of Engineers – Student Member | 2019 – Present
- Attache of The Hong Kong Polytechnic University | 2019 – Present
- The Hong Kong Polytechnic University Full Entry Scholarship | 2018 – Present

Skills

Technical Skills: Python (Django, Jupyter, Algorithms and Data Structures), MERN, Git, NoSQL, HTML, CSS, C, AutoCAD, Revit, SAP2000, ETABS, MS Office

Languages: English (Advanced), Chinese (Beginner), Kazakh (Native), Russian (Native)