ANSON CHONG

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SKILLS

Ruby, JavaScript, Python, SQL, Rails, React, Redux, Express.js, Node.js, PostgreSQL, MongoDB, TypeScript

EXPERIENCE

Software Development Contractor

Perfect Loop Inc. (Early-stage startup), San Francisco, CA   Jun 2020 – Present
- Collaborate on research platform software for economists at California Institute of Technology
- Design **RESTful APIs** using **Axios** and constructed UI components using **Typescript** for frontend user profiles to allow researchers to track participant background

Technology Analyst Intern

D2V Limited, Hong Kong   Sep 2018 – Jan 2019
- Fabricated essential parts based on Blueprints for Airfield Ground Lighting Scanning and Inspection System (AGLSIS)
- Conducted overseas market research and put together go-to-market strategy for overseas customers with specific needs

PROJECTS

Hopcamp (PostgreSQL, Rails, React, Redux, JavaScript, Google Maps API, AWS S3, Weather API)   live | github
A campsite booking application inspired by Hipcamp
- Constructed a dynamic search filter UI to filter **1000 campsites** based on map coordinates returned from **Google Maps API** and by capacity, price, and tags so that users can see filtered results in real time
- Integrated with **AWS S3** and **Rails ActiveStorage** for cloud storage of **3000+ images** to reduce server load and enhance application's scalability
- Leveraged **OpenWeatherMaps API** with Rails on the backend to retrieve weather forecasts and render it along with campsite data to enhance user experience

Therapuppy (MongoDB, Express.js, React, Node.js, AWS S3, Git)   live | github
A puppy rental website using MERN stack
- Connected **Express.js** to **AWS S3** private bucket for storing user-uploaded images of puppies on cloud
- Utilized **Mongoose ODM** to extract data in **MongoDB** from underlying related collections and map results into POJO in a single query
- Ensured user privacy and implemented User Auth in conjunction with **JWT** library to encrypt and send user details over **Axios** and decrypt on the frontend using JWT-Decode

Flight Connectivity (D3.js, Javascript, HTML, SCSS)   live | github
Visualisation of world busiest airports' connectivity
- Used **D3.js** to create interactive diagrams visualising and displaying connectivity of world's busiest airports

"Design, Build, Fly" Team   Sep 2018 – Jun 2019
The University of Hong Kong
- Performed corrective actions based on flight tests to refine the designs and manufacture methods to achieve a **70% weight reduction** from the original design to final prototype, winning 2nd place in an international competition in the U.K.

EDUCATION

Software Engineering - *App Academy*   *2019 - 2020*
BS Mechanical Engineering - *The University of Hong Kong*   *2015 - 2019*