JAE HWANG
Full Stack Software Engineer

(408) 499-2123   jyng.hwng.dev@gmail.com   **PORTFOLIO**   **GITHUB**   **LINKEDIN**

SKILLS JavaScript, Node.js, Python, Flask, React Redux, TypeScript, Express, SQL, Sequelize, PostgreSQL, AWS, Docker, Flutter

PROJECTS

DRINK CAWFEE   (Python, Flask, JavaScript, ReactJS, Docker) | *A coffee curation site inspired by Drink Trade*   live | github
- Implemented **Redux** architecture's unidirectional data flow with **React** props for predictable state and **DOM** rendering
- Connected the **Flask** backend to **AWS S3** for media storage while maintaining content security with **AWS IAM**
- Leveraged **SQLite3** relational database management system to allow users to mimic eCommerce transactions
- Utilized **Docker** containerization to standardize development environment and for consistent application deployment

SQUEAL   (Python, Flask, JavaScript, ReactJS, HTML, CSS, Docker) | *A collaborative Yelp clone*   live | github
- Integrated **Google Maps API** with **React** components to implement dynamic location visualization for businesses
- Implemented multiple many-to-many backend relationships and optimized database usage by observing **SQL** and **Active Record** best practices with **Flask** and **SQLALchemy**
- Utilized the unidirectional state management of **Redux** to simplify **React** components and directly manage data for form inputs and form submissions

HEIR BNB   (Express, Sequelize, JavaScript, ReactJS, HTML, CSS) | *An AirBnB clone*   live | github
- Utilized **Sequelize** ORM to create custom **SQL** queries to extract data across multiple tables in a single query with **SQLite3** database in development, migrated to **PostgreSQL** in production
- Created project management roadmap and provided transparency to feature delivery with **Agile / Scrum** methodology
- Developed custom modal framework using **React** component architecture with **CSS** to create an intuitive user interface

EXPERIENCE

Junior Full Stack Software Engineer| *Wonder & Wander*   Dec 2022 - present
- Engineered an administrative panel application using **JavaScript**, **Nodejs**, **Expressjs,** and a **NoSQL** database that integrated multiple 3rd party APIs for users to manage user authentication, analytics, and in-app messaging
- Spearhead engineering core features and project manage feature development as a team lead for one of the company's largest clients using **Flutter**, **Dart**, **Git**, and Agile methodology
- Collaborate on creating an administrative panel for a **PHP/Larave**l full stack application to manage relational user data
- Developed a web application with **Python**, **Flask**, **JavaScript,** and **MySQL** to manage a large database and visualize user data

Operations Coordinator Lead & Trainer | *Trusted Health*   Mar 2021 - May 2022
- Exceeded performance expectations consistently and project managed the onboarding and compliance of over 270 travel nurses at a 99% success rate during peak COVID seasons
- Led a team of 5 operations coordinators in communication with 4 managed service provider partners, including the company's 2nd largest partner in volume, to ensure hospital-patient safety through compliance
- Personally trained 5 operation coordinators from Day 0 to being fully on-ramped in 3 months, one of whom became a Lead
- Designed a new hire training curriculum, incorporating cross-department feedback to expedite training processes

Medical Assistant & Patient Care Coordinator | *California Sports and Orthopaedic Institute*   Apr 2019 - Feb 2021
- Coordinated clinical care for up to 30 patients daily by organizing medical workup and telemedicine software support
- Communicated with out-of-clinic physicians, local hospitals, and physical therapists to organize full medical history and coordinate follow-up care for up to 30 patients daily during the height of the COVID pandemic

Regulatory Affairs and Compliance Intern | *Entrotech Life Sciences, inc.*   Sept 2015 - Aug 2018
- Spearheaded a new product launch by leading a team in product testing, establishing foundational medical device workup
- Conducted FDA failure mode and effects experiments and analysis to develop medical device risk management plans

EDUCATION

Full Stack Software Engineering - *App Academy* *(1000+hr software development program) | Fall 2022*
BA Molecular and Cell Biology, Immunology - *University of California, Berkeley | Fall 2015 - Spring 2019*