HENG WANG
FULLSTACK SOFTWARE ENGINEER

✔Relocate   707-972-3562   heng.mizuho.wang@gmail.com   www.hengwang.pro   LinkedIn   Github

SKILLS

Programming Languages: JavaScript, Python, C#, SQL, HTML, CSS, Git
Frameworks/Tools: Node.js, Express, Sequelize, Socket.io, Flask, WTForms, SQLAlchemy, SQLite, PostgreSQL, React, Redux, Redux-thunk, Docker, Heroku, Unity, RESTful, Matlab
Tech Skills: Pair Programming, Test-Driven Development (TDD)
Languages: Mandarin Chinese (Native), English (Fluent), Japanese (Fluent)

PROJECTS

swEtsy | *(JavaScript, React / Redux, Python, Flask, SQLite, PostgreSQL)*   **live** | **github**
- Developed a robust functional search feature with **Flask** query filters, different React event handlers and **Regex**, to eliminate invalid inputs from both the search bar and the browser URL bar as expected.
- Introduced requirement-analyzing to quickly implement backend **RESTful API** routes with my seamless ability to extend based on frontend requirements to maintain scalability.
- Collaborated with a team of 4 software engineers to orchestrate complex debugging including fast bug-isolation, solution searching, and technical communication using **Scrum Methodologies** to increase development efficiency.

Doorskid | *(JavaScript, React / Redux, Express, Sequelize, Socket.io, SQLite, PostgreSQL)*   **live** | **github**
- Utilized **Socket.io** in both the server and client side with the built-in chat-room function and "emitting" to specific users for the live message CRUD after efficiently discovering the socket connection and the data flow.
- Boosted application durability by adding abundant and reasonable error handling and limitations with **HTML**, **React, Sequelize** model and migration to prohibit unexpected inputs from breaking the site.
- Engineered with the **Sequelize** queries and a new Redux dispatch logic to allow synchronous content updates on the client's browser, while ensuring the UI was intent and bug-free using CSS and React classname selection.

Catbnb | *(JavaScript, React / Redux, Express, Sequelize, SQLite, PostgreSQL)*   **live** | **github**
- Introduced **Express.js** middleware groups to make reusable, modulized and easy-to-combine middleware functions for validation, authentication and authorization to improve the DRY/SRP of the code.
- Established unique **Redux** state key-value pairs for faster user authority check, which promised only specific users under the right conditions to access sensitive and private functions.
- Achieved the **AWS S3** image uploading with the pictures from the local machine which ensured the images were loaded at a stable time and ensured the images would be present rather than using outlink image URLs.

EXPERIENCE

Manager of Technical Service Department
Beidou Satellite Information Service Co., Ltd   Apr 2014 - May 2015
- Improved company workflow with engineer management logic (DRY, SRP) and knowledge from system management ensuring clear cooperation and responsibility relations.
- Researched and taught the team the technical concept overview of our cooperators' companies, ensuring members had enough knowledge about cooperators and their business field before further negotiation.
- Regulated a 15M$ project with head companies in the industry with my active listening, communication skills and multi-task management to ensure that all the paperwork was finished and submitted on time in a short interval.

EDUCATION

AppAcademy - *Javascript & Python full-stack April Cohort for the newest technology stack in the industry, 2022*
Technical University of Denmark - *MSc Computer Engineering in Efficient & Intelligent Systems, 2016-2018*
Kyoto Computer Gakuin (Japan) - *Exchanged student in Information Technology, 2013-2014*
Tianjin University of Science & Technology - *BSc Computer Science in Information Technology, 2010-2014*