JAMES Z. HONG

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EXPERIENCE

Founder & Manager

Solidbox Container, March 2023 - Present
- Established a robust logistics network, and expanded operations to serve end users in 20+ major US cities.
- Developing automation tools for optimizing operations, including daily market price updates and location-based inventory matching, to improve customer experience and operational efficiency

Software Engineer

Ethos, Mar 2022 - Feb 2023
- Built a brand new self-serve onboarding flow that reduces new agent onboarding time from one week to 10 minutes and minimizes manual efforts
- Developed a task system that supports automatic event-based task creation and manual task management, providing agents with an efficient tool for customer management
- Implemented a concise widget-based dashboard page to provide agents with information including resources, daily tasks, announcements, and earnings summary
- Improved the direct integration between Partnerships' backend services and SFDC for efficient information synchronization
- Assisted the Ops team to identify and resolve payment-related operational issues

R&D Engineer & Project Manager

Power Environmental & Energy Research Institute, Sep 2016 - Aug 2021
- Managed R&D projects to develop novel solutions for high-saline wastewater treatment
- Led commercialization projects for newly developed chemicals for drilling fluids and cementing

EDUCATION

App Academy - *Immersive software development course with a focus on full-stack web development*, 2021
Johns Hopkins University - *MS - Environmental Engineering*, 2013
Fudan University - *BS - Environmental Science*, 2011

SKILLS   Golang, JavaScript, TypeScript, React, Svelte, Ruby on Rails, HTML, CSS, Git, PostgreSQL, Rspec, Heroku, MongoDB

PROJECTS

Solidbox Container Portal | *(Golang, React, Postgresql)*   Live Site

An inventory and customer management tool for Solidbox Container team
- Developed a Golang server with PostgreSQL for container inventory management and customer management
- Implemented CRUD operations for container, inventory locations, delivery rates, and customers
- Enhanced user experience with smart inventory search based on zipcodes, offering real-time details on price, availability, and delivery fees for internal teams and customers

TableLog | *(React / Redux, Rails 5, Ruby, Postgresql)*   Live Site | Github

An OpenTable-inspired single-page web app where users can CRUD restaurant reservations and reviews
- Applied Ruby on Rails utilizing Users, Restaurants, Reservations, and other ActiveRecord models and controllers to properly store info and query database to pass relevant data to the frontend
- Connected the Rails backend to AWS S3 for media storage and organization
- Implemented custom search and search auto-suggestion feature that filters cuisine categories and cities

Wizard of Odds | *(Javascript, HTML, CSS)*   Live Site | Github

A web application for users to simulate a poker hand and see the probabilities of every possible outcome.
- Built an algorithm from scratch for calculating poker hand outcomes and included opponent hand ranges as a variable
- Implemented dynamic styling for better interaction with the application

SwipeX | *(MongoDB, Express, React / Redux, Node.js)*   Github

An exchange platform where students can trade meal swipes to maximize meal plan values and reduce the financial burden
- Created and utilized a NoSQL database with MongoDB for all relevant information.
- Designed and built a frontend conversation page for users to negotiate and confirm exchanges of meal swipes.