Danny Huang

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PROJECTS

Jobsy (Node.js, Botkit.js, TypeScript, React.js)   Live Site | Github

Single-page interactive resume exploration application built around a chatbot. 1st place in MintBean "Hack the Chatbot" Hackathon.

❖ Utilized Framer Motion to animate chat messages and improve UI/UX for recruiters.
❖ Created Typescript Interfaces for smoother debugging experience for developers.
❖ Implemented fuzzy string matching with Fuzzyset.js to reduce runtime of autosuggestions to $O(N+N)$.

DannyDash(Rails, Ruby, ReactJS, Redux, PostgreSQL)   Live Site | Github

Single-page web application with a DoorDash inspired UX/UI, where users can order items from a variety of local businesses.

❖ Implemented Facebook user authentication through Devise Gem and Facebook Login API for smoother authentication UX.
❖ Created Logistics Dispatch System for delivery times using the following Google APIs: Geocoding (store/user address coordinates), Google Distance Matrix (duration, distance, ETA), and Google Maps Javascript (visual map/markers).
❖ Stored images on Amazon Web Services S3 (AWS) for website speed optimization/reducing server load and attached to ActiveRecord models through ActiveStorage and polymorphic associations.

DistanSing (Node.js, Express.js, React.js, Redux, MongoDB)   Live Site | Github

Single-page application that allows local artists to host virtual concerts and interact with fans through livestream and live chat.

❖ Leveraged Socket.IO and Peer.js to manage web-socket connections for live-chat and live-streaming on the server-side and client-side.
❖ Made tradeoffs for using Peer.js built-in-configuration to connect to Google's STUN server vs. configuring personal WebRTC STUN server to focus on app functionality.
❖ Scheduled tasks to create new events weekly using Node Cron Scheduler.

WORK EXPERIENCE

AECOM | Project Controls Manager   Jul 2017 – Nov 2020

❖ Developed product roadmap for 1-year and 3-year client acquisition strategies resulting in renewal of NASA Ames 5-year prime contract and acquisition of NASA Johnson client to federal sector portfolio.
❖ Reduced construction delays by 20% by developing an internal tracking tool, which improved visibility into scheduled inspection bottlenecks. Built on Python and VBA and synced to project roadmaps across Project, Access, and SharePoint.
❖ Reduced material costs by 15% through renegotiation of material contracts with suppliers for projects on Google Bayview Campus.

QuEST Global | Senior Project Analyst   Jun 2016 – Jun 2017

❖ Cut program planning process by 40% by launching project management tool that created a defined work scope archive that assigned work scopes with $/FTE estimates and rolled out usage across team of 25 project managers.
❖ Reduced monthly project planning cycle across all engineering by 25% by creating and syncing subordinate project plans to an integrated master schedule through Primavera P6.
❖ Conducted user process walkthroughs to identify process bottlenecks, and developed VBA class/program modules to reduce manual inputs/user errors.

LANGUAGES & TOOLS

Frontend: Javascript, React, Redux, TypeScript   **Frameworks:** Rails, Express.js, Django
Backend: Ruby, Node.js, Python   **Language**: English, Mandarin
Database: PostgreSQL, MongoDB, MySQL   **Other:** Git, Socket.IO, PeerJS, WebRTC, AWS S3

EDUCATION

San Diego State University | San Diego, CA   Aug 2011 – May 2016
Bachelor of Science – Finance & Bachelor of Arts – Quantitative Analysis Econometrics
App Academy | San Francisco, CA   Feb 2020 – May 2020
Software Engineering Bootcamp