Justin Hang

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SKILLS

Agile, AWS, CSS, Docker, Express.js, Flask, Git, GitHub, Heroku, HTML, JavaScript, Kanban, Node.js, Object-Oriented Programming (OOP), Pair Programming, PostgreSQL, Python, React, Redux, RESTful API, SCRUM, Sequelize, SQL, SQLAlchemy, SQLite, Test-Drive Development, WebSockets

VOLUNTEER

Hack for LA | *Software Engineer*   Remote | March 2023 – present
- Update website to adhere to Web Content Accessibility Guidelines(WCAG)
- Reviewed and provided constructive feedback on pull requests for the website team

PROJECTS

Yuanhood | *Robinhood clone web app where users can monitor and trade cryptocurrencies*   [Live](#) | [GitHub](#)
- Leveraged CoinGecko API to retrieve cryptocurrencies' prices and integrated react-chart-js2 to render multiple sparklines whose visualization is based on their prices, providing a dynamic and engaging user interface
- Developed the back-end using Python, Flask, SQLAlchemy, and PostgreSQL, creating a robust and scalable RESTful API that allows for seamless communication between the front-end and back-end components
- Implemented front-end and back-end validations with React's useState/useEffect hooks, WTForms, and SQLAlchemy constraints/validations to maintain data integrity for correct and erroneous transactions
- Deployed to Heroku using Docker containerization and with GitHub workflow using a YAML file

Discorida | *Discord clone web app where users can chat with each other in real time (group project)*   [Live](#) | [GitHub](#)
- Led database schema design and Redux store shape design to establish and promote best practices for scalability
- Implemented WebSockets using SocketIO to provide real-time chat functionality for group and direct messaging
- Built an intuitive UI to increase user engagement by manipulating the DOM to display the latest messages and built responsive navigation effects using CSS3 in conjunction with react-router hooks to prevent users from getting lost

SonusNimbus | *SoundCloud clone web app where users can add and listen to songs*   [Live](#) | [GitHub](#)
- Created a seamless, uninterrupted browsing experience by instantiating a top level react-h5-audio-player component, eager loading resources upon site visit, and applying Redux's unidirectional state management system
- Developed RESTful API and middleware with Express.js and JSON to seamlessly connect client and server
- Designed database schema and data validations using Sequelize and PostgreSQL ensuring data integrity and consistency

EXPERIENCE

Cal State LA | *ITS Client Service Assistant*   Los Angeles, California | Dec 2021 – Apr 2022
- Optimized ticket triaging process and resolved 200 recurring issues reducing ticket backlog by 70%
- Streamlined reports with Excel using VLOOKUP, formulas, and pivot tables saving 3+ hours per week of data entry

L3Harris Interstate Electronics | *Control Account Manager*   Anaheim, California | Apr 2019 – May 2020
- Led financial, technical, schedule, and risk management activities for a large scale project, ensured compliance and a timely delivery of milestones and increased transparency by holding weekly stakeholder meetings
- Managed a tracking tool used to monitor cost and hours for multiple contracts ensuring accurate and timely reporting to program managers resulting in increased transparency and improved decision-making processes

L3Harris Technologies | *Operations Assistant*   Torrance, California | Apr 2017 – Apr 2019
- Diagnosed and troubleshot Infor LN enterprise resource planning (ERP) system errors and collaborated with the development team resulting in accurate workflows and data capturing reducing over 50% of reconciliation work
- Designed financial and work order reports using the newly integrated Infor LN ERP system for multiple departments resulting in consistent data and smoother collaboration between departments

EDUCATION

edX Courses   March 2023 – present
- **IBM |** Python Basics for Data Science
- **IBM |** Machine Learning with Python
- **IBM |** Analyzing Data with Python
- **HarvardX |** CS50's Intro to AI with Python

App Academy | Full Stack Web Development (Javascript and Python)   May 2022 – Nov 2022
University of California, Santa Barbara | Bachelor of Science in Electrical Engineering   Sep 2012 – Jun 2016