Danny Fung

Full Stack Developer | Web Developer

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Experience

Software Engineer

AEEC, LLC

📅 6/2020 – present

- Collaborated on the user interface design for data science notebooks and databases from business clients.
- Trained on using cloud technology, including Azure and GCP, to help progress projects forward and earned certificates for completing relevant courses.

Student Research Assistant

San Diego Supercomputer Center

📅 7/2019 – 3/2020

- Developed a blockchain-based web application prototype using React, node.js, and Solidity, that tracks claims filed by healthcare providers and services provided to patients.
- Integrated tracking functionality of 4 Ethereum smart contracts, documented technical designs and frameworks, and implemented back-end layers on node.js and Solidity.
- Tested compatibility of conventional web tools with current blockchain infrastructure and existing distributed systems.

Front-end Developer Intern

LedgerSafe

📅 5/2019 - 9/2019

- Collaborated on a React web application designed to lower friction between high risk businesses and financial institutions through establishing trust using distributed ledger technology.
- Studied application of Hyperledger Fabric, a permissioned blockchain infrastructure, and role of compliance frameworks in distributed systems.

Software Engineering Intern

Blockchain Technology Group LLC

📅 10/2018 - 12/2018

- Designed a React user interface of a cryptocurrency wallet to track balance of Florincoin tokens and transaction histories.
- Studied Open Index Protocol technology, the core intricacies of blockchain, and its economic principles.
- Wrote final paper surrounding the current proof of concept and practice of distributed ledger technology.

YWCA Computer Tutor

Community Technology Network

📅 8/2017 - 9/2017

- Guided the elderly on developing digital literacy and computer skills at the YWCA Computer Center of San Francisco.
- Routinely set time aside to arrange computer users a space to comfortably ask questions and experiment.

Skills

- React
- Redux
- Docker
- Solidity
- JavaScript
- C/C#/C++
- HTML/CSS
- Babel/Webpack
- Java
- GCP
- Gatsby
- Python
- Mocha/Chai
- RESTful APIs
- express/node.js
- SQL/MongoDB

Education

University of California, San Diego

📅 9/2016 - 3/2020

Cognitive Science B.S.
Minor in Computer Science

GPA – 3.33

Projects

Dungeon Crawler

- *Technologies: C#, Unity*
- Versioned multiple iterations of game concept and art design through whiteboard planning and system testing.
- Implemented turn-based mechanics and battle features to distinguish user experience.

CurrentSea

- *Technologies: Node.js, Express, MySQL, React, Postman*
- Built a web app that records a user's financial transactions and displays exchange rates for different 33 world currencies.
- Implemented the web app's backend server routes and database using schema outline.

SquareOne

- *Technologies: Node.js, Express.js, jQuery*
- Designed a web app in which users pick a map of any sport, edit player positions, draw strategic paths, and save their plays.
- Conducted experiment of integrating Google Analytics into the project to record user behavior and improve design based on feedback.

GenoMatch

- *Technologies: JavaScript, Sublime, Node.js, GitHub, Genome Link API*
- Collaborated on a web app project that enables search for dating partners by genetic preference.
- Improved existing matchmaking algorithms and bug fixes to enhance app's performance.