Danny Fung

Full Stack Web Developer - Blockchain Enthusiast

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Experience

Frontend Developer
Solace

📅 3/2021 - Present

- Developed the foundation of the web interface for Solace that interacts with deployed smart contracts on the Ethereum blockchain.
- Shipped quality code and ensured careful version control using Github.
- Refactored and constantly optimized functionality to improve user experience.

Research Associate
San Diego Supercomputer Center

📅 7/2019 – Present

- 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.

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.

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.

Education

University of California, San Diego

📅 9/2016 - 3/2020

Cognitive Science B.S.
Minor in Computer Science

Skills

Languages
JavaScript, HTML, CSS, TypeScript, Solidity, SASS, Python, SQL, Java, C#, C++

Frameworks
Node.js, Express, jQuery, React, Redux, Gatsby, Bootstrap, Bulma, Material-UI, Jest, Truffle, Web3, Infura

Developer Tools
Git, npm, Visual Studio Code, Firebase, Google Cloud Platform, MongoDB, Docker, MySQL Workbench, Postman, Ganache, Heroku, Netlify

Projects

HotTopics
- *Technologies: React, Redux, Firebase*
- A full stack social media web application with complete functionality and features such as authentication, posting, commenting, liking, and account management.
- Link: hot-tops.firebaseapp.com

Chat App
- *Technologies: React, Netlify, Firebase*
- A web app that contains a public chatroom for for anyone to participate. User authentication and database implemented using Firebase.
- Link: eager-mestorf-cb3f2a.netlify.app

Image Gallery
- *Technologies: Gatsby, Cloudinary, Bulma, Netlify*
- A responsive gallery website displaying images and photos stored on my Cloudinary account.
- Link: dannygallery.netlify.app

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

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