



Dan Kazenoff

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Skills

Languages: JavaScript / Node.js, Neo4j, Python, React.js, Solidity, TypeScript (advanced → basic)

Tools: AWS, Express.js, Docker, MySQL, Web3, Truffle, Prometheus, Alertmanager, OpenVPN, Git

Core: Entrepreneurial and collaborative. Technical leadership, project management, agile development.

Experience

Blockchain Engineer, Validation Capital Corp. Toronto, ON (Remote) Sept. 2020 – Present

- Spearheaded analysis of DeFi and PoS protocols for onboarding as validator nodes. Deployed variety of blockchain network codebases from testnet to mainnet, securing high value revenue streams for VCC
- Built 24/7 monitoring applications for tracking validator and oracle performance using NodeJS, Express, MySQL, Alertmanager, Grafana & Prometheus, resulting in continuous infrastructure uptime
- Managed directly and designed architecture of VCC cloud infrastructure for secure validator node operations

Decentralized Consensus Fellow, Insight Fellows, San Francisco CA May 2020 – Aug. 2020

- Engineered DeFi test platform for borrowers to seek collateral-free loans built on Solidity contracts
- Programmed contracts with an oracle to pass RSA-encrypted credentials to offchain KYC verifiers
- Created prototype interface with React.js and Web3 for streamlined marketplace for lenders and borrowers

Undergraduate Blockchain Researcher, Rensselaer Polytechnic Institute, Troy NY Sept. 2019 – Sept. 2020

- Developed full stack application to convert blockchain transactions to queryable graph on Neo4j to streamline process for identifying suspicious cryptographic addresses for fraud analysis
- Created React.js interface with a NodeJS / Express backend server to convert user-inputted wallet addresses to a directed graph, hosted on AWS. Detected fraudulent addresses with 100% accuracy on preliminary datasets
- Published paper, titled “*Semantic Graph Analysis to Combat Cryptocurrency Misinformation on the Web*”

Co-Founder, Harbor Apps LLC, Troy NY Dec 2016 – May 2020

- Founded mobile social networking platform centered on compatible group matching to help RPI students find friends, creating a community of 100+ users
- Designed matching algorithms using Neo4j’s Cypher QL with a Node + Express RESTful API hosted on AWS to facilitate interactions between users
- Amplified business vision of product by running events and marketing, resulting in \$4k grant from RPI’s business accelerator, and an interview at Y-Combinator

Founder and President, Rensselaer Drone Club, Troy NY (rpidrone.club) Sept. 2017 - May 2020

- Led efforts to fundraise \$4k from RPI. Secured club spots at 2018, 2019 collegiate drone racing championships.

Projects

Atlas DeFi | github.com/dkazenoff/atlas-frontend July 2020

- Built full stack application for basic lending and borrowing on a local Ethereum network

Settlers of Catan AI | github.com/dkazenoff/ai-catan Aug. 2019

- Used Python, Pandas and NumPy to generate regression on game datasets, converted to turn outputs

Education

Rensselaer Polytechnic Institute, Troy, NY May 2020

B.S. Mechanical Engineering, Minors in Computer Science, Economics

Harvard University Extension School, Cambridge, MA Aug. 2014