Dan Kazenoff

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Skills

Languages: Neo4j, JavaScript (Advanced), Python, Solidity, React.js (Intermediate) TypeScript, C++ (basic)

Tools: Node.js, Express,js, AWS, Web3, Prometheus, Alertmanager, Grafana, Docker, Mongo, MySQL, Git, Jira

Core: Project Management, Agile Development, Technical Leadership, Entrepreneurship

Experience

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

- Integrated devops and built response capabilities for existing infrastructure using Prometheus, Alertmanager, Grafana to increase uptime and monitor health of VCC hardware
- Worked closely with layer 1, 2, and Oracle networks to achieve authoritative infrastructure roles for VCC
- Tested and launched broad array of blockchain software on cloud infrastructure. Wrote technical reports to scope hardware requirements, streamline procedures, and recommend plans to go forward

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

- Engineered decentralized platform for borrowers to seek collateral-free loans built on DeFi Solidity contracts
- Programmed Solidity contracts utilizing an oracle API to pass RSA-encrypted credentials to KYC verifiers
- Created prototype 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 (*harborapp.io*)* 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 grants 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

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

Projects

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

Off-Campus Subletting Platform | github.com/dkazenoff/dmap Dec. 2019

- Designed and documented platform's framework which utilized Python, Django, MongoDB, and Bootstrap

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