



# Dan Kazenoff

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[dkazenoff.github.io](https://dkazenoff.github.io) | [github.com/dkazenoff](https://github.com/dkazenoff) | [linkedin.com/in/dankazenoff](https://linkedin.com/in/dankazenoff)

## 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:** Agile Development, Technical Leadership, Project Management, Entrepreneurship

## Experience

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

- Integrated devops for existing infrastructure using Prometheus, Alertmanager, Grafana to increase uptime and response capabilities
- Worked closely with layer 1, 2, and Oracle networks to achieve infrastructure roles for VCC
- Tested and launched broad array of blockchain software on AWS infrastructure. Wrote technical reports to summarize procedures, and planned actionable tasks forward for the VCC team

**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 with Provable oracle to pass RSA-encrypted credentials to 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 ([harborapp.io](https://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](https://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](https://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](https://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