

DAVID "CARTER" BRAINERD

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Available Jan-Jul 2022

EDUCATION

Northeastern University Sept 2019 – Present
Khoury College of Computer Sciences
Candidate for a Bachelor of Science degree in Computer Science Boston, MA

- **Honors:** National Hispanic Scholarship recipient, Dean's List
- **Relevant courses:** Foundations of Cybersecurity, Discrete Structures, Math of Data Models, Object-Oriented Design, Networks and Distributed Systems, Public Speaking, Algorithms, Network Security, Computer Systems

TECHNICAL KNOWLEDGE

- **Languages:** Java, Python, Ruby, Bash, Crystal, HTML/CSS, C#, Solidity, SQL, C, JavaScript, Powershell
- **Software:** Google, Git/GitHub, AWS (Lambda, CloudFormation), IntelliJ IDEA, Docker, Windows, Linux, MacOS
- **Concepts:** Offensive and Defensive Cybersecurity Methods, Cryptography, Blockchain, Networking

EXPERIENCE

Poloniex Jul 2021 - Present
Wallets Engineer Boston, MA (remote, part-time)

- Initiated creating a suite of monitoring tools for various problems plaguing the rest of the wallets team
- Improved and debugged existing Java code interacting with complex blockchains and cryptocurrencies (such as Bitcoin, Ethereum, etc.)

Poloniex Jan 2021 – Jun 2021
Security Engineer Co-Op Boston, MA (remote)

- Created tools in Python to review permissions for OneLogin, Cloudflare, and 1Password utilizing each service's API
- Migrated the Cold Storage Custody API from Flask to AWS Lambdas
- Reviewed code from other members of the security team
- Created AWS Lambdas for various projects using AWS CloudFormation templates
- Interviewed candidates for future co-ops and full time positions

Northeastern University Sept 2020 – Dec 2020
Teaching Assistant, Foundations of Cybersecurity Boston, MA

- Aided Professors Shelat and Cohen in grading homework, projects, and exams
- Conducted weekly office hours for a class of 84 students to ask questions about assignments

PERSONAL PROJECTS

NUCoin *Ethereum, JavaScript, Solidity* – <https://github.com/cbrnrd/NUCoin> Aug 2020

- Designed an Ethereum token to replace Northeastern University's "Husky Dollars" and meal swipe programs, enabling students to trade NUCoin, similar to cryptocurrency

Kumo *Java, JavaFX* – <https://github.com/cbrnrd/Kumo> Nov 2018 – Dec 2020

- Created and briefly sold a cross-platform remote administration service for IT administrators
- Designed multiple menus within a single and easy-to-use GUI built with the JavaFX framework
- Had about 75 active users at its peak

INTERESTS

Hobbies: Fitness, Video Games (Dota 2, Warzone), Rugby, Cooking, Coding Personal Projects, Graphic Design