

DAVID "CARTER" BRAINERD

brainerd.d@northeastern.edu | (202) 262-0846 | Boston, MA 02120 | <https://carterbrainerd.me>
Available Part Time Jul-Dec 2021

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, Fundamentals of Computer Science 1 & 2, Discrete Structures, Math of Data Models, Object-Oriented Design, Networks and Distributed Systems, Public Speaking, Algorithms

TECHNICAL KNOWLEDGE

- **Languages:** Java, Python, Ruby, Bash, Crystal, HTML/CSS, C#, Solidity, SQL, C, JavaScript, Powershell
- **Software:** 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)

- Upgraded nodes for various listed cryptocurrencies
- Listed new currencies on the Poloniex exchange
- Improved and debugged existing Java code interacting with complex blockchains and cryptocurrencies

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
- Currently has about 75 active users

INTERESTS

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