

# DAVID CARTER BRAINERD

brainerd.d@northeastern.edu – (202) 262-0846 – 650 Columbus Ave #0330, Boston, MA 02120  
<https://carterbrainerd.me> – **Available Jan-Jun 2021** – Preferred name: Carter

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## EDUCATION

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

- **Honors:** GPA 3.2/4.0, National Hispanic Scholarship recipient, Dean's List
- **Relevant courses:** Foundations of Cybersecurity, Fundamentals of Computer Science 1 & 2, Discrete Structures, Data Models, Object-Oriented Design, Networks and Distributed Systems, Public Speaking, Algorithms

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## TECHNICAL KNOWLEDGE

- **Programming Languages (Proficient):** Java, Ruby, Python, Racket, Bash, HTML/CSS, SQL
- **Programming Languages (Familiar):** C#, C, Solidity, JavaScript, Powershell, XML
- **Software:** Git/GitHub, Microsoft Office, Adobe Photoshop, Docker, IntelliJ IDEA, Windows, Linux
- **Concepts:** Linux Command Line, Blockchain, Networking, Offensive and Defensive Cybersecurity Concepts, PGP

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## PROJECTS

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

- Designed an Ethereum token to replace of Northeastern University's "Husky Dollars" and meal swipe programs
- Enables Northeastern students to trade NUCoin, similar to real currency

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

- Created and sold (for a little bit) 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

**Metasploit Framework** *Ruby* – Dec 2016 - Present <https://git.io/JUkVk>

- Developed, contributed, and reviewed code for Metasploit – the world's most used penetration testing framework. Contributed code often exploits previously disclosed vulnerabilities or improves the internal library of the project
- Collaborated with other Metasploit contributors to review and approve (or deny) requested code changes, often needing to debate one side or the other

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## RELEVANT WORK EXPERIENCE & LEADERSHIP

**Northeastern University** Sept 2020 – Present  
*CY2550 Teaching Assistant* Boston, MA

- Aided Professor Abhi Shelat and Professor Ran Cohen in grading homework, projects, and exams for the Foundations of Cybersecurity course
- Conducted weekly office hours for students to ask questions about assignments

**Landon School** Sept 2018 – Jun 2019  
*Lead Design Editor (volunteer/club leadership)* Bethesda, MD

- Oversaw and mentored a group of hand-selected graphic designers to produce and design Landon's yearbook, "Brown & White" in senior year
- Often stayed overtime and late at night to edit, revise, and create pages and designs

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## INTERESTS

**Hobbies:** Rock Climbing, Playing Rugby, Fitness, Coding Personal Projects, Bug Bounty Hunting, Graphic Design  
**Favorite movies/shows/games:** Lord of the Rings, Interstellar, Blade Runner, Catch Me If You Can, Mr. Robot, Game of Thrones, Breaking Bad, Stranger Things, Scrubs, The Office, Dota 2, Skyrim, Warframe