

# Daniel Carter

[danielcarter.dev](http://danielcarter.dev) | [daniel.carter@example.com](mailto:daniel.carter@example.com) | (202) 555-6789 | [github.com/danielcarter](https://github.com/danielcarter) | [linkedin.com/in/danielcarter](https://linkedin.com/in/danielcarter)

## EDUCATION

### University of Maryland, College Park

Aug. 2019 – Dec. 2023

*Bachelor of Science in Computer Science*

*College Park, MD*

- **Relevant Coursework:** Advanced Algorithms, Artificial Intelligence, Cloud Computing, Data Science
- **GPA:** 3.85/4.00
- **Activities:** Bitcamp Hackathon Organizer, Terrapin Tech Society, UMD Robotics Team

### George Washington University

Aug. 2024 – Dec. 2026 (Expected)

*Master of Science in Cybersecurity*

*Washington, DC*

- Focus on advanced network security, cryptography, and threat intelligence.
- Active member of the GWU Cyber Defense Club.

## EXPERIENCE

### Software Development Intern

Jun. 2022 – Aug. 2022

*Capital One*

*McLean, VA*

- Developed and deployed an internal tool to automate compliance audits, reducing manual effort by **40%**.
- Implemented secure APIs for financial data handling, supporting **over 1 million transactions daily**.
- Enhanced system reliability by conducting extensive performance testing, improving uptime to **99.9%**.
- Collaborated with a team of 8 engineers using Agile methodology to deliver features on time.

### Research Assistant

Jan. 2021 – May 2022

*UMD Cybersecurity Center*

*College Park, MD*

- Researched advanced intrusion detection systems, contributing to the development of a machine learning-based anomaly detector.
- Authored and presented a paper on **"Real-Time Threat Analysis"** at the 2022 ACM SIGSAC Conference.
- Collaborated with a team to simulate cyberattack scenarios, testing the robustness of new defense algorithms.
- Developed data preprocessing pipelines in Python to analyze **terabytes of security logs**.

## PROJECTS

### SecureDrive

*Java, Spring Boot, MySQL, AWS*

*Jan. 2023 – Apr. 2023*

- Developed a secure file storage and sharing platform with end-to-end encryption, ensuring data privacy.
- Integrated AWS S3 for scalable storage and implemented encryption using AES-256 standards.
- Designed an authentication system with role-based access control, reducing unauthorized access incidents by **50%**.
- Collaborated with 4 team members, delivering the project ahead of schedule by **2 weeks**.

### MetroNav

*React, Node.js, MongoDB, Google Maps API*

*May 2022 – Jul. 2022*

- Created a web application to provide real-time transit updates for the DC Metro system, reducing commute uncertainty.
- Integrated Google Maps API for dynamic routing and live location tracking.
- Engineered a backend service in Node.js to process **real-time transit data**, supporting **5,000+ daily users**.
- Designed a responsive UI with React, achieving **95% user satisfaction** during testing.

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript, SQL, C++

**Frameworks:** React, Node.js, Spring Boot, TensorFlow, Flask

**Tools:** Docker, Jenkins, AWS, Elasticsearch, MongoDB, Kubernetes

**Technologies:** Cybersecurity, Cloud Computing, Machine Learning, Distributed Systems