

Cameron Douglas Robbins

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Cybersecurity Engineer and Full-Stack Developer

Programming Languages:

- Proficient: Java, Python, C, C#, Go, SQL, C++
- Intermediate: R, JavaScript, HTML, Matlab

Development Tools and Technologies:

- Databases: SQL, Neo4j
- Frameworks & Libraries: React, Node.js, Django
- Tools: Git, Docker, Jupyter Notebook

Domain Knowledge:

- Machine Learning
- Artificial Intelligence
- Data Science
- Cybersecurity

Full-Stack Development | Database Systems | Data Analysis | Web Design | Project Management | Technical Problem Solving

Cybersecurity Engineer | The MITRE Corporation

TACIT - Tracking Advanced Cyber Infrastructure Threats

07/2025 – Present

- Developed a sophisticated cyber threat analysis tool to track advanced cyber threats, assess their threat levels, identify effective countermeasures, and highlight connections to other threats. This tool significantly enhanced the ability to proactively manage and mitigate cyber risks.
- Built scalable backend systems and services in Go and Python to automate enrichment of threat intelligence data, improving processing speed and consistency.
- Streamlined enrichment pipelines and service identification processes across diverse data sources, improving detection and response time.

Systems Engineering Analytics Intern | The MITRE Corporation

TACIT - Tracking Advanced Cyber Infrastructure Threats

05/2024 – 05/2025

- Created a versatile Python library to track threats and visualize their pivots to similar organizations, services, and assets. This library provided a powerful resource for cybersecurity teams, enabling more effective threat detection and response strategies.

Non-Traditional Data Analysis Tool

05/2023 – 05/2024

- Developed a comprehensive Jupyter notebook for analyzing cyber data related to organizations, IPs, domains, CPEs, and CVEs. Implemented advanced visualizations to highlight vulnerabilities, significantly streamlining initial analysis time and improving threat detection efficiency.
- Designed and implemented modules for single organization search, mapping connections, viewing graph layouts, and filtering transactions. These modules provided comprehensive insights into organizational cyber relationships and security, enabling more effective and informed decision-making.

API Client for Vulnerability Pipeline

05/2022 – 08/2022

- Developed a configurable web-based client to analyze and enhance non-traditional, unnormalized web-scraped data for commercial use. This client improved data quality and usability, facilitating more accurate and actionable insights for end-users.
- Designed a universal structure for vulnerability data pivots, standardizing how vulnerability information is processed and visualized.

Bachelor of Science in Computer Science, Worcester Polytechnic Institute, GPA: 3.6, 2025

AI Tutor Development | Major Qualifying Project

08/2024 - 05/2025

- Developed CAIT, a Conversational AI Tutor integrated into the ASSISTments platform to provide free, personalized math tutoring for middle school students. Leveraged natural language processing to create a conversational interface, enabling real-time interaction and tailored responses.
- Collaborated with interdisciplinary teams to ensure CAIT supported low-cost devices, addressed educational equity, and used empathetic, supportive interactions to enhance student engagement and learning outcomes.

Software Engineering | CS3733 - Wilson Wong

03/2023 - 05/2023

- Led a project team of ten students through developing a hospital employee management application for the Brigham and Women's Hospital using Java and SQL.
- Engineered a live-updating database system to streamline appointment reservations, room navigation, calendar management, and instant messaging between hospital employees. This system significantly improved operational efficiency and communication within the hospital, enhancing overall productivity and patient care.

Study Abroad Research Project | San Jose, Costa Rica

01/2024 - 03/2024

- Enhanced FUNDECOR's BIOTA program by creating detailed profiles for five small farms and integrating them into the Geospatial Tools map. This integration highlighted each farm's environmental and economic impacts, providing valuable stakeholder insights.
- Conducted extensive field research and interviews to assess biodiversity indicators. Developed comprehensive farm profiles that promote sustainable farming practices and conservation efforts, contributing to preserving Costa Rica's rich biodiversity and supporting local agricultural communities.