Jeffrey Cole

College Park, MD | 667-355-9536 | jeffreylcole7@gmail.com

EDUCATION

University of Maryland, College Park, MD **Anticipated Graduation: May 2026**
Bachelor of Science, Computer Science GPA: 4.0

- Awards: Dean's List
- Coursework: Object-Oriented Programming, Calculus 1-3, Discrete Structures, Organization of Programming Languages, Algorithms, Physics, Machine Learning, Data Science, Statistics
- Organizations: AI/ML Club (Member), Quantum Club (Member)

Harford Community College, Bel Air, MD August 2022 - May 2024
Associate of Science, Computer Science GPA: 4.0

- Awards: President's List and Dean's List
- Organizations: Mu Alpha Theta (President), Math Club (President), Honors College (Member)

WORK EXPERIENCE

University of Maryland January 2025 - Present
Teaching Assistant

- Read and provide detailed feedback on class materials(projects, exams, etc) before they are released.
- Lead discussion sections of 60+ students, teaching C, Assembly, and Unix.
- Mentor students and build students' confidence through one-on-one weekly office hours.
- Provide feedback on projects and exams for 200+ students.

Applied Research Lab for Intelligence and Security May 2024 - August 2024
RISC Intern

- Collaborated with interdisciplinary, cross functional teams to address real-world intelligence challenges through workshops, lectures, and weekly meetings.
- Conducted in-depth research on malicious cyber actor operations and attack techniques, leveraging books, papers, and information in MITRE frameworks to ensure compliance with security best practices.
- Synthesized information from academic papers and industry reports to support findings.
- Discussed project outcomes with peers and visiting experts from DOD/IC.

PROJECTS

ProfPredict March 2025 - Present

- Develop a machine learning model to predict professor ratings using data from Planet Terp.
- Apply sentiment analysis to review text to extract opinion-based features and enhance model predictions.
- Train and evaluate multiple regression models, including Linear and Random Forest Regression, to identify the best-performing algorithm.

ThinkBit February 2025 - March 2025

- Analyzed survey data from hundreds of computer science students at University of Maryland using Pandas, NumPy, and SciPy to determine patterns across students.
- Conducted statistical testing (t-tests, ANOVA) to evaluate patterns in responses and developed a reproducible analysis pipeline for future studies.
- Discovered trends between priming questions, year in school, and gender role in questions.

SKILLS

Languages: Java, C, C++, Assembly, R, MatLab, Unix, Python

Data Structures: Stack, Queue, Trees, Hashing, Graph, Map, LinkedList

Algorithms: Sort, Search, Merge, Depth-First-Search, Breadth-First-Search

EXTRACURRICULAR

President August 2022 - May 2024
Mu Alpha Theta, Harford Community College

- Planned and hosted math-related events, such as competitions, tutoring sessions, and workshops, to enhance members' academic skills and community involvement.
- Mentored new members and officers, ensuring smooth transitions and sustained engagement.
- Organized and executed recruitment events, resulting in a 30% increase in membership.