

Micah Harlan

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EDUCATION

University Mary Washington

Bachelor of Science, Computer Science

Overall GPA: 3.45

Major GPA: 3.55

Expected Graduation: May 2023

Relevant Courses: Computer Programming and Problem-Solving, Software Development Tools, Object-oriented Analysis and Design, Computer Systems and Architecture, Data Structures and Algorithms, Applications of Databases, Modeling & Simulation. Applied Discrete Mathematics, Introduction to Data Science, Computer Ethics, Operating Systems, and Data Mining.

Cox High School, Virginia Beach, VA

Awards: National Honor Society, Graduated with honors

June 2019

RELEVANT EXPERIENCE

Software Engineer Intern at Noman IT

May 2022 – Aug 2022

In this role, I participated in the software development process and worked alongside Lockheed Martin software engineers. The other interns and I were assigned challenging tasks each day using Angular's framework to build a UI that utilized typescript and HTML5 to manage a database for Lockheed Martin.

UMW Data Science Club

Member of the UMW Data Science Club

Fall 2020-Present

- Participated in data-themed movie nights
- Partake in various contests and challenges

University Mary Washington Data-thon

Apr 10 - Apr 12, 2022

In this competition, we were given a large file of data about an experiment on students. The experiment tested if video games where a student made good choices, would make students more likely to make good choices. I chose to create an agent-based model using MESA in python that simulated the experiment. I also made a machine learning algorithm that would take in results from a participant in the experiment and then it would predict the participant's gender.

MEMBERSHIPS

Member of the National Society of Collegiate Scholars (NSCS)

Fall 2020-Present

Vice President of the UMW Outdoors Club

Fall 2021-Present

SPECIALIZED SKILLS

Skills: Object Oriented Programming, System Based Modeling, Agent-Based Modeling, Web Development, Data Analysis, Supervised Machine Learning, Unsupervised Machine Learning, and Natural Language Processing

Programming Languages: Java, C, Python, JavaScript, Typescript, Swift

Databases: SQL, MongoDB, MariaDB, Neo4j, Redis

Python Libraries: Pandas, NumPy, Flask, NetworkX, Mesa, Matlab, Sklearn

Other: HTML, JSON, Angular

Foreign Languages: French (intermediate)