

Melissa Fowler

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Skills Summary:

Computer Languages: Advanced Java, Advanced Python, Intermediate HTML, Intermediate C++, Intermediate VBScript, Intermediate PowerShell, Intermediate MATLAB, Basic R, Basic SQL, Basic PHP, Basic Assembly

Computer Software: Git/GitHub, Microsoft Word, Excel, PowerPoint, Publisher, Access, Teams, Visual Studio

Other: Teamwork, Leadership, Quantitative Literacy, Collaboration, Configuration Management

Education:

Hood College, Frederick, MD

Bachelor of Science

Double Major: Computer Science and Mathematics

Graduation: May 2025

GPA: 4.0

Relevant Coursework: Calculus I & II, Discrete Mathematics, Linear Algebra, Statistical Concepts and Methods, Computer Organization and Design, Advanced Data Structures, Applied Computing I & II, Algorithm Analysis, Intro to Database Management Systems, Operating Systems, Telecommunications and Networking

Honors & Awards: Dean's List – Hood College, Computer Science Faculty Prize – Hood College Honors Convocation 2022-23, Julia Holzapfel Carhart Prize in Mathematics – Honors Convocation 2023-24

Languages: Intermediate French, Intermediate Spanish

Work Experience:

Northrop Grumman, Baltimore, MD

Software Engineer Summer Intern

June 2024 – August 2024

- Created tracking visualizations of ship data using MATLAB
- Converted backend of a VBScript tool to PowerShell
- Employed Git and GitHub to collaborate with team members

Software Engineer Summer Intern

June 2023 – August 2023

- Utilized C++ and VBScript to improve software tools used by the company
- Created a PowerShell script to move critical files to better locations
- Supported hardware and software integration and testing for radar antennas

Hood College, Frederick, MD

Maryland Center for Computing Education (MCCE) Coding Workshop

Student Worker

July 2022

- Used and explained block coding tools to attendees
- Aided in the general operation of the workshop

Activities:

Hood College Tutor

Computer Science Tutor

August 2023 – May 2024

- Used communication skills to explain difficult concepts to other students
- Assisted students with challenging assignments

Hood College Least Squares Math Club

Executive Board – President

March 2022 – August 2023

- Planned and hosted club events and meetings
- Communicated with the Math Department, Student Life Office, and club members about upcoming events
- Delegated responsibilities to other executive board members