

Ethan Martin

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Education

University of Mary Washington | Fredericksburg, VA

B.S., Major in Computer Science, Minor in Cybersecurity | Expected graduation **Fall 2019**

Major GPA **4.0**, overall **3.56**

Work Experience

Technical Intern (Software)

Manufacturing Techniques, Inc. | May – August 2018 & December 2018 – January 2019

- Devised and implemented an optimized clustering algorithm that greatly improved performance of existing software.
- Developed a network interface for an in-development system and provided accompanying documentation for the customer.

Peer Tutor (Computer Science / Data Science)

University of Mary Washington | January – December 2018

- Provided walk-in tutoring services in 1-on-1 and small group formats to students taking introductory and intermediate computer and data science courses.
- Maintained online informational documents providing quick reference and studying tips to computer science students.

Technologies

Languages

Java, C/C++, Python, HTML/CSS, Javascript, Swift, PHP, ARM Assembly

Environments and Other Technologies

macOS, Arch Linux, Debian, RHEL + derivatives, Windows, Qt, Bash, Zsh, Git, GitHub, GitLab Enterprise, Vim/Neovim, JetBrains IntelliJ + derivatives

Leadership

Girls Who Code

Club Facilitator | January – August 2017

- Established and taught a local Girls Who Code Club including 9 regular members at the L.E. Smoot Memorial Library.
- Familiarized members with concepts of variables, loops, conditionals, and functions.

Association for Computing Machinery

UMW Chapter Vice President | August 2018 – Present

- Managing server hardware owned by the club for the purposes of hosting a website and organizing monthly programming contests.
- Assisting with planning for a yearly 24-hour Hackathon event on campus.

Projects

HQBot

Personal project | July 2017

- A chat bot built with Java for the VoIP and messaging platform Discord.
- Can play music in voice channels from the local disk or online sources such as YouTube or SoundCloud.
- Maintains an internal playlist offering a shuffle option as well as single and multiple repeat modes.

Jet

Independent Study | January 2018

- An ncurses-based CLI text editor written in C prioritizing ease of use.
- Provides a basic syntax highlighting system.
- Utilizes a minimal interface and well-established keybindings.