

Ash Rauch

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EDUCATION

James Madison University (JMU), Harrisonburg, VA
Bachelor of Science in **Computer Science**
Minor in **Music Industry**
Major GPA: **3.143**

SKILLS AND CERTIFICATIONS

Python, C, Java, CSS, HTML, Eclipse, IntelliJ, VSCode,
Git, Scrum, Data Analysis, Software Development

PROJECTS

UnitED Unit Conversion Calculator (Java/Eclipse), JMU
Mar 24 - May 24

- Built a working calculator application from scratch as a part of a team
- Responsible for parts of the GUI and executable for the program.

Origins+, Minecraft Mod Addon (Java/IntelliJ), Personal Project
Aug 21 - Dec 21

- Developed Origins+, a datapack expansion for the popular Minecraft mod, Origins.
- Enhanced gameplay by adding new player abilities and transformations upon defeating the final boss.
- Used Java, IntelliJ, and file I/O, showcasing my skills in modding and customizing existing game frameworks.

RELEVANT COURSEWORK

Computer Systems (C), JMU (Currently In Progress)
Aug 24 – Present

- Will have extensive knowledge in computer architecture and gain a sense of power and control over computer systems.

Software Engineering (Java/Eclipse), JMU
Jan 24 – May 24

- Built a program from initial abstractions to a finalized project.
- GUI construction and process models were particularly interesting.

Algorithms and Data Structures (Java/Python), JMU
Jan 24 – May 24

- Managed very large sets of data, using algorithm notation, advanced datasets, and sorting functions.

CAMPUS INVOLVEMENT/VOLUNTEERING

Member, Cyber Defense Club, Harrisonburg, VA
Aug 24 - Present

- JMU CDC hosts a variety of events that explore topics and competitions related to Cyber Security.

Member, Outdoor Adventure Club, Harrisonburg, VA
Aug 23 - Present

- I am an active member of OAC, which hosts lots of hikes and other outdoor activities frequently.

Event Coordinator, PlayMU, Harrisonburg, VA
Aug 22 - May 23

- I was the event coordinator for JMU's gaming club, hosting a charity-driven live streaming event known as ExtraLife, planning meetings, and other executive duties.

OTHER EXPERIENCE

Programming/Coding Personal Mentor, Local Family, Bridgewater, Virginia
Oct 24 - Present

Delivery Assistant, Let's Bouncz Inflatables, Harrisonburg, Virginia
Apr 24 - Present

Lifeguard, Oak Marr Rec Center, Oakton, Virginia
Jun 23 - Aug 23

Barista, Kung Fu Tea, Harrisonburg, Virginia
Sep 22 - May 23

Barista, Starbucks Coffee Co, Vienna, Virginia
May 19 - Aug 21

Eagle Scout, Scouts BSA, Vienna, Virginia
Feb 20