

# Ash Rauch

Vienna, VA, 22181 | [linkedin.com/in/ashrauch](https://www.linkedin.com/in/ashrauch)

## EDUCATION

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**James Madison University (JMU)**, Harrisonburg, VA Aug 21 - May 26  
Bachelor of Science in **Computer Science**  
Minor in **Music Industry**  
Major GPA: **3.143**

## SKILLS AND CERTIFICATIONS

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

## EXPERIENCE

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**Web Development Intern (HTML, CSS)**, Let's Bouncz Inflatables Oct 24 - Present  
*Harrisonburg, VA*

- Assisting a small business by overhauling their website to enhance digital presence and optimize customer journeys.
- Contributing to design, user interface enhancements, and content updates to boost customer engagement and drive online bookings.
- Collaborating closely with company leadership to implement website features that improve navigation and streamline user interactions.

**Programming/Coding Personal Mentor (Python/Personalized Instruction)** Oct 24 - Present  
*Bridgewater, VA*

- Mentoring a young student with special needs, introducing higher-level coding concepts through personalized guidance and support.
- Guiding the student from block-based coding in Scratch to foundational programming skills in Python.
- Continuously assessing progress, identifying knowledge gaps, and adapting teaching strategies to maintain an engaging learning environment.

## PROJECTS

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**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

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**Computer Systems (C)**, JMU (*Currently In Progress*) Aug 24 - Present  
**Software Engineering (Java/Eclipse)**, JMU Jan 24 - May 24  
**Algorithms and Data Structures (Java/Python)**, JMU Jan 24 - May 24

## CAMPUS INVOLVEMENT/VOLUNTEERING

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**Member, Cyber Defense Club**, Harrisonburg, VA Aug 24 - Present  
**Member, Outdoor Adventure Club**, Harrisonburg, VA Aug 23 - Present  
**Event Coordinator, PlayMU**, Harrisonburg, VA Aug 22 - May 23  
**Eagle Scout, Scouts BSA**, Vienna, Virginia Feb 20

## OTHER EXPERIENCE

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**Driver/Supervisor, Let's Bouncz Inflatables**, Harrisonburg, Virginia Apr 24 - Present  
**Lifeguard II**, 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