Benjamin Saupp

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Education

James Madison University — Harrisonburg, VA
Bachelor of Science in Computer Science — May 2024
Minor in Mathematics

Coursework

Data structures and Algorithms	Algorithmic Design and Analysis	Software Engineering
Computer Systems	Web Application Development	Compilers
Programming Languages	Machine Learning	Statistics
Calculus III	Elementary Number Theory	Discrete Structures

Work Experience

American Woodmark: Analyst, Solution Development & Support
Corporate Headquarters, 561 Shady Elm Road Winchester, Virginia January 2024 - October 2024

- Software Development for legacy applications that were developed internally using **Visual basic** and **Microsoft SQL Server**
- Proposed idea and created an automated client side testing system for the current project using **Selenium** library for **Python**
- Worked with team for adding and testing new features, along with fixing existing features
- Laid off October 2024

Research Assistant: Praxis preparation
James Madison University, Summer 2023

- Working in collaboration with CodeVA on a project creating a compiler/web IDE to support teachers that are learning programming for the Praxis exam
- Presented research to JMU peers and faculty September 2023 and May 2024
- Research publication May 2024

Lead Teaching Assistant
James Madison University, 2022 -2024

- Helped students with **C, Python,** and **Java** projects.
- Supervised teaching assistants during lab hours, facilitating meaningful learning experiences
- Collected student data and brainstormed ideas for improving the program
- Worked both in person and online via Microsoft Teams

Student Refugee Coding Camp
James Madison University, Summer 2023

- Established communication with refugee students and taught them how to write simple programs
- Collaborated with other students and professors in guiding refugee students to develop computer literacy

Package Handler
Fedex Ground Winchester, VA, Summer 2022

- Teamwork experience loading trucks

Packer
Berry Global Winchester, VA, Summer 2021

- Industrial experience in 12 hour shifts packaging plastic bottles

Server
Cracker Barrel Winchester, VA, 2019 - 2020

- Hospitality and customer service experience

Projects

Praxly (https://praxly.cs.jmu.edu/)

- Website designed for beginners to learn programming
- Features a block based interface that also syncs with an adjacent text interface
- Built from scratch using Node.js, Blockly, and Ace code editor

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Skills & Training

- Proficient in **C, Java, Javascript, HTML, CSS**, **Visual Basic**, **SQL**, and **Python**
- Leadership experience and fellowship skills
- Microsoft Office: **Word**, **PowerPoint**, and **Excel**
- **Agile** development process experience
- Azure DevOps