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Aiden Aquino

Education

James Madison University | 2023 - Current

B.S. in Computer Science, Minor in Mathematics & Data Analytics

- GPA: **3.84** | President's List: Fall 2023, Spring 2025 | Dean's List: Spring 2024, Fall 2024
- **Relevant Coursework:** Algorithms & Data Structures, Software Engineering, Computer Systems I & II, Discrete Structures I & II**,** Probability & Statistics, Linear Algebra, Calculus II

Battlefield High School | 2019-2023

CASIIT (Center for Applied Science, Interactive, And Information Technology) – selective STEM program

Projects

Recipe and Meal Utilities (Java, GUI, File Storage)

- Developed a desktop application to manage recipes, meals, and inventory, streamlining meal planning and tracking.
- Collaborated in a 5-person Agile team over 3 SCRUM sprints, contributing 330+ peer-reviewed Git commits.
- Built user-friendly GUIs for recipe and meal editors, incorporating detailed step management for recipes and meals.

Mini-ELF Command-Line Tool (C, Assembly)

- Built a tool to parse Mini-ELF/Y86 binaries, inspect memory, and disassemble 25+ instructions for detailed program analysis.
- Simulated execution with optional debug tracing, improving runtime analysis and validation.

Huffman File Compressor (Python, Data Structures)

- Implemented a compression utility using Huffman coding, achieving up to 40% reduction in text file size.
- Applied trees and priority queues to efficiently manage encoding and decoding processes.

Additional Projects: Course Information Web App (HS, partial), 1-week Game Jam

Experience

Teaching Assistant – CS 149: Introduction to Programming, JMU | Fall 2025 - Present

- Mentored 20+ students weekly, resulting in higher assignment completion rates and improved programming comprehension.
- Provided individualized support to clarify programming concepts and enhance debugging proficiency.

Front End Worker – Wegmans | July 2021 - Present

- Delivered customer service across multiple departments, developing strong communication, teamwork, and problem-solving skills in a fast-paced environment.

Skills

Languages: Java, C#, Python, C, Assembly

Frameworks / Libraries / Technologies: .NET (ASP.NET, WPF), XAML, HTML, CSS

Tools & Technologies: Git/GitHub, Command-line, Eclipse, Visual Studio, VS Code, Agile/SCRUM