

Hunter B. Baker

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EDUCATION

James Madison University

Bachelors, Computer Science. GPA 3.8

Aug 2023 - Present
Harrisonburg, Virginia

- Member of *Upsilon Pi Epsilon* and *Alpha Lambda Delta*
- Recipient of the Dean's List Academic Award
- Current coursework: Computer Systems, Web Application Development.
- Relevant coursework: Data Structures and Algorithms, Software Engineering, Advanced Programming.

Laurel Ridge Community College

Associates, General Studies. GPA 4.0

Aug 2020 - Aug 2023
Middletown, Virginia

- Recipient of the Summa Cum Laude and the President's List Academic Award.
- Relevant coursework: Introduction to Programming, Object-Oriented Programming.

EXPERIENCE

UnitED Calculator

- Collaborated with a team of 5 developers in an agile environment, consistently meeting sprint deadlines.
- Utilized Git and GitHub for version control and efficient team cooperation.
- Applied software design patterns such as Factory or Observer to design and implement features.
- Implemented Object-Oriented Programming principles to promote low coupling and high cohesion.
- Collaborated with stakeholders to refine requirements to create a complete software product
- Performed frequent code reviews to ensure quality standards were maintained.

LeetCode Discord Bot Development

- Designed and developed a highly customizable Discord Bot that promotes LeetCode within servers through the usage of custom random daily problems as well as contest notifications.
- Created and implemented a system that allows servers to have unique and easily customizable configurations.
- Navigated Discord.py technical documentation to apply and integrate Discord API features.
- Successfully published, deployed, and hosted the bot on a Raspberry Pi, maintaining 99% uptime.

MadZip File Compression Utility

- Created a high-performance file compression utility with features akin to WinRAR and 7Zip, enabling users to compress and decompress files efficiently.
- Utilized advanced data structures like Huffman Tree and Min-Heap to optimize compression processes.
- Developed and implemented a lossless compression algorithm, ensuring no data loss during file compression.
- Authored comprehensive unit tests, achieving 100% branch and statement coverage, ensuring the reliability and robustness of the application.

EMPLOYMENT

Wisetek Solutions

Data Entry Specialist

July 2021 – Apr 2023 & May 2024 - Present

Winchester, Virginia

- Led, coordinated and trained a small data-entry team.
- Conducted thorough testing, wiping, and reprocessing of professional-grade hardware.
- Spearheaded the development and implementation of innovative processes across multiple departments.
- Developed comprehensive training materials that minimized the learning curve for new members.

SKILLS & CERTIFICATIONS

Skills: Python. Java. C. PostgreSQL. Pandas. Agile processes. VSCode. Eclipse. Linux. Teamwork. Git. GitHub.

Certifications: Python Specialist. SQL Specialist. Intercultural Skills.