

# Hunter B. Baker

[hunter.baker.b@gmail.com](mailto:hunter.baker.b@gmail.com) ❖ (540) 336-4291 ❖ Winchester, VA ❖ [hunter-baker.com](http://hunter-baker.com)

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## EDUCATION

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### James Madison University

**Aug 2023 - Dec 2025**

Bachelors, Computer Science. GPA 3.8

Harrisonburg, Virginia

- Member of *Upsilon Pi Epsilon* and *Alpha Lambda Delta*
- Recipient of the Dean's List Academic Award
- Relevant coursework: Data Structures & Algorithms, Software Engineering, Computer Systems 1 & 2, Web Development, Applied Algorithms, Personal Navigation Systems, and Discrete Structures 1 & 2

### Laurel Ridge Community College

**Aug 2020 - Aug 2023**

Associates, General Studies. GPA 4.0

Middletown, Virginia

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

## EXPERIENCE

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### 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 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

### LeetCode Discord Bot Development

- Designed and developed a highly customizable Discord Bot that promotes coding practice within servers through the usage of custom random daily problems as well as contest notifications.
- Navigated Discord.py technical documentation to apply and integrate Discord API features.

### 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

### DukeShell

- Developed a custom shell with built-in commands, environment variable handling, and return code support
- Implemented command piping, process spawning, and redirection using commands such as fork, exec, and dup2
- Designed a modular, extensible architecture that used FSM-based command parsing

## EMPLOYMENT

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### Wisetek Solutions

**July 2021 – Apr 2023 & May 2024 - March 2025**

Data Entry Specialist

Winchester, Virginia

- Led, coordinated and trained a small data-entry team.
- 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

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**Skills:** Python. Java. C. HTML, JS, & CSS. PostgreSQL. Pandas. Agile processes. VSCode. Eclipse. Linux. Git.

**Certifications:** Python Specialist. SQL Specialist. Intercultural Skills.