

# Hunter B. Baker

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## EDUCATION

### James Madison University

**Aug 2023 - Dec 2025**

Bachelors, Computer Science. GPA 3.7

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 Database Systems.

### 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.

## 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 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.
- Used the Observer pattern to properly notify servers based on their settings.
- Published the bot as a live service and provided maintenance and upkeep based on user problems and errors.
- Navigated Discord.py technical documentation to apply and integrate Discord API features.

### NavSys: A Navigation System

- Used Object-Oriented principles and design patterns such as the Observer, Model-View-Controller, and Strategy.
- Developed interactive visualizations using Java Swing and Java 2D graphics.
- Utilized pathfinding algorithms (Dijkstra's and Bellman Ford) and GPS data parsing for dynamic routing.
- Developed map matching and route relocation features to adjust routes based on real-time data.

### Forgotten Paths

- Created and published a complete puzzle game within 96 hours for the GMTK 2025 Game jam.
- Utilized the State and Component patterns to organize and manage complicated game code.
- Ranked top 6% out of over 9,500 entries.

## EMPLOYMENT

### Wisetek Solutions

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

Data Entry Specialist

Winchester, Virginia

- Led, coordinated and trained a small data-entry team of 6 members.
- Spearheaded the development and implementation of innovative processes across four departments.
- Developed comprehensive training materials that minimized the learning curve for new members.

## SKILLS & CERTIFICATIONS

**Skills:** Python. Java. C, C#. Rust. HTML, JS, & CSS. PostgreSQL. Agile processes. Linux. Git. Godot.

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