

# JORDAN WAITE

[Portfolio Website](#) | [GitHub](#) | [LinkedIn](#)

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Software Engineering graduate (Magna Cum Laude) with strong foundations in object-oriented programming, data structures, and full stack development. Experienced building and utilizing RESTful APIs, relational databases, CI/CD pipelines, and production applications across web, mobile, and backend systems.

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## EXPERIENCE

### NIGHT AUDITOR

Springhill Suites by Marriott | Idaho Falls, ID

2020 - PRESENT

- Support reliability of production systems by troubleshooting real-time issues in high-availability, customer-facing environment.
  - Identify and resolve data discrepancies by analyzing system logs and transaction records with strong attention to detail and problem-solving.
  - Provide technical troubleshooting and problem resolution for guest-facing systems and networks.
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## EDUCATION

### BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING

Idaho State University College of Science and Engineering

DEC 2025

- GPA: 3.86
  - Institutional Honors: Magna Cum Laude Graduate & Dean's List Member
  - Recipient of the North Wind STEM Scholarship for Academic Excellence
  - Relevant coursework: Secure Systems & Networks, Data Structures & Algorithms, Advanced Object-Oriented Programming, Advanced Web Development, Mobile App Development, Database Design & Implementation
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## SKILLS

- *Languages:* Python, JavaScript, Java, Kotlin, C#
  - *Tools:* Git, GitHub, Linux, GitHub Actions, Android Studio
  - *Frontend:* HTML, CSS, JavaScript, React
  - *Backend:* RESTful APIs, Relational Databases (SQL), CI/CD, Containerization, Node.js
  - *Engineering Practices:* Object-oriented design, Data Structures & Algorithms, Debugging, Testing, Technical Documentation
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# PROJECTS

## AI-POWERED D&D CHARACTER CREATOR

Python, Quart, OpenAI (ChatGPT) API, Poetry

[HTTPS://GITHUB.COM/JORDAN1819/AI-POWERED D-D CHARACTER CREATOR](https://github.com/JORDAN1819/AI-POWERED-D-D-CHARACTER-CREATOR)

- Developed asynchronous backend application that integrates with the ChatGPT API to simulate an AI-driven Dungeons & Dragons character creation workflow.
- Designed and implemented query optimization and prompt engineering logic to improve response quality, consistency, and adherence to character creation rules.
- Built the application using Quart to handle non-blocking API requests, enable scalable and responsive user interactions.
- Utilized Poetry for dependency management and environment isolation, ensuring reproducible builds and clean project structure.

## PROJECT HERMES – FULL-STACK WEB APPLICATION

XAMPP/ Apache, PHP, Google API, MYSQL, HTML, CSS, JavaScript

[HTTPS://GITHUB.COM/JORDAN1819/PROJECT-HERMES](https://github.com/JORDAN1819/PROJECT-HERMES)

- Developed a full-stack web application enabling users to submit text through a browser and automatically save it to both a local SQL database and Google Sheets/Docs.
- Implemented backend PHP services running on Apache/XAMPP to process HTTP requests, handle authentication, and maintain consistent data across systems.
- Designed and implemented asynchronous dual-storage synchronization flow integrating MySQL with Google's API, ensuring real-time data integration.

## LUNAR LANDER - CLASSIC RETRO GAME BUILT WITH C#

C#, Windows Forms, OOP, Custom Physics Engine

[HTTPS://GITHUB.COM/JORDAN1819/LUNAR-LANDER-IN-C-SHARP](https://github.com/JORDAN1819/LUNAR-LANDER-IN-C-SHARP)

- Engineered a full physics engine in C# using Windows Forms, implementing gravitational force, thrust vectors, trigonometric rotation, and collision mechanics.
- Designed a modular, object-oriented structure (10+ classes) to separate physics, graphics rendering, input handling, UI, and game state management.
- Created interactive UI systems with menus, HUD elements, custom animations, and visual effects.

## STRENGTHSYNC - ANDROID FITNESS APP

Kotlin, Android Studio, Room Database

[HTTPS://GITHUB.COM/JORDAN1819/STRENGTHSYNC-ANDROID-APP](https://github.com/JORDAN1819/STRENGTHSYNC-ANDROID-APP)

- Developed and deployed a full-featured Android strength training app to the Google Play Store, gaining hands-on experience in software packaging, signing, and publishing.
- Designed and implemented a custom workout generation algorithm that intelligently rotates exercise selection based on user preferences while ensuring unique training plans (Over 1 million potential unique plans).
- Built and integrated a multi-level, persistent Room relational database to store user preferences, exercises, and generated plans for offline access.