JORDAN WAITE

Idaho Falls, ID | GitHub | LinkedIn

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Driven junior full-stack developer with a passion for building pragmatic, effective software solutions. Strong interest in object-oriented design principles and secure, scalable systems. Focused on improving technical skills, gaining practical experience, and developing professional relationships.

EXPERIENCE

NIGHT AUDITOR

Springhill Suites by Marriott | Idaho Falls, ID

2020 - PRESENT

- Manage nightly operational workflows, including reconciling financial reports and verifying data accuracy.
- Identify and resolve 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 (key cards, payment terminals, property management systems).

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

SKILLS

- *Languages*: Python, JavaScript, Java, SQL, Kotlin, C#
- *Tools:* Git, GitHub, Linux, REST APIs, GitHub Actions
- *Networking & Security:* Analyzed network traffic by inspecting packet & protocol metadata.
- *Professional Skills:* Excellent technical writing and collaborative communication skills
- *Systems Programming:* Low-level memory inspection, register/state analysis, execution tracing

PROJECTS

AI-POWERED D&D CHARACTER CREATOR

Python, Quart, OpenAI (ChatGPT) API, Poetry

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 (BETA)

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

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.
- Design an asynchronous dual-storage synchronization flow integrating MySQL with Google's API, ensuring real-time data integration.
- Built with a scalable, modular architecture for maintainability and future expansion.

LUNAR LANDER - CLASSIC RETRO GAME BUILT WITH C#

C#, Windows Forms, OOP, Custom Physics Engine

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

- 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.
- Built and integrated a multi-level, persistent Room database to store user preferences, exercises, and generated plans for offline access.