

# Jaden Kartchner

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## SUMMARY

Computer Science student experienced in building software solutions, full-stack web applications, and cloud-hosted systems, with proficiency in multiple programming languages and DevOps practices.

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## EDUCATION

**B.S Computer Science** (Software Engineering) Expected May 2029  
Arizona State University, Tempe, AZ

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## TECHNICAL SKILLS AND CERTIFICATIONS

**Programming Languages:** Python, JavaScript/TypeScript, Rust, Java, C++, C

**Front-End:** HTML, CSS, React.JS, Next.JS, Electron

**Tools, Databases, and OS:** Docker, Git, GitHub, MongoDB, SQLite, Windows, Linux/Unix

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## PROFESSIONAL EXPERIENCE

**Grimwald Systems Administrator & Community Manager** Aug 2023 - Present

- Served as both systems administrator and community manager, integrating user feedback into technical strategy and server improvements
- Configured and maintained a Minecraft **VPS** server on Hetzner, optimizing performance, network security, and reliability
- Diagnosed and resolved server-side issues, including crashes, lag, and performance problems
- Developed Discord bots using **Python** to automate server tasks, sync roles, and voting systems
- Built a full-stack website using **Next.JS, React, DaisyUI, and TailwindCSS** to display server information
- Designed and implemented server-side plugins in Java and managed a RESTful API to enhance functionality and interconnect systems

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## RELEVANT PROJECTS

**Fine Motor Skills, Class Project** Fall 2025

- Led a team of peers to develop a game to assist in the development of fine motor skills in young children
- Used **p5.js** and **object-oriented programming** to create and manage graphical objects
- Analyzed the pain-points of the targeted demographic to make informed design decisions

**RPJ - Rust Project Management Tool, Personal Project** Summer 2025

- Designed and built a **Rust**-based CLI tool to organize and manage local code projects
- Published an **open-source** repository with documentation and versioning
- Implemented **GitHub actions** for automated publishing of the tool to the Rust package registry

**Taiga Discord Bot, Personal Project** Spring 2024

- Designed and implemented a full-featured Discord bot in **Python** tailored to a specific community of people
- Integrated the bot with **MongoDB** to store user information and statistics
- Maintained deployment and configuration using a managed **VPS** provider and **GitHub**

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## EXTRACURRICULAR EXPERIENCE

**Hacker Devils, Tempe, AZ** Oct 2025 - Present

- Attended Hacker Devils meetings at ASU, collaborating with peers to solve complex programming problems and enhance problem-solving, algorithmic thinking, and team coding skills

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## TECHNICAL LEARNING

**Harvard Technical Development Courses** Summer 2023

- Studied computer science topics through Harvard's online computer science courses through edX, such as CS50x (Computer Science Principles), CS50p (Introduction to Python), and CS50w (Web Programming)