

Sam Hardeman

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EDUCATION

Grand Canyon University

Bachelor of Science in Computer Science

- GPA: 3.81

Phoenix, AZ

Aug. 2022 – Dec. 2025

EXPERIENCE

Undergraduate Teaching Assistant

Grand Canyon University

- Developed and evaluated 200+ challenges for a Capture-The-Flag competition covering Linux, Networking, and Cybersecurity concepts.
- Installed and setup an XCP-ng hypervisor and other virtual machines on server hardware for use by students in the cyber center.

Oct. 2024 – Present

Phoenix, AZ

AV Technician

Grand Canyon University

- Worked with a team to set and strike speakers, microphones, lighting, and other AV equipment at weekly chapel, athletic events, and other campus activities.

Jan. 2023 – Oct. 2024

Phoenix, AZ

Installation Assistant

Veritas Academy of Tucson

- Installed a campus wide intercom system for safe and reliable communications from main office to classrooms.
- Provided analysis of existing inventory and potential products to be used in new media carts.

Jul. 2024 – Aug. 2024

Tucson, AZ

Data Analytics Intern

Bernhard

- Created a dynamic data analysis report to monitor HVAC equipment metrics with Azure Cosmos DB and Microsoft PowerBI.
- Explored capabilities of PowerBI for working with large amounts of data.

May 2023 – Aug. 2023

Tucson, AZ

PROJECTS

GCU Line Cameras | *Node.js, Svelte, REST*

- Created a website to display images from line cameras across campus.
- In Progress as Capstone: Using machine learning to detect people and determine how busy each location is.

Oct. 2023 – Present

Minimal Compiler | *Go, Git, MIPS*

- Developed a compiler in Go that translates high-level language constructs into MIPS assembly code, handling lexical analysis, parsing, and semantic analysis.
- Successfully created and optimized code generation strategies for compiling complex language features to MIPS.

Sep. 2024 – Dec. 2024

Peak Energy Alert | *Node.js, Express, HTML/CSS, Twilio, Python*

- Developed a website to display TEP Peak Energy Times and used Twilio to send alerts when the status changed.

Mar. 2023 – Aug. 2023

TECHNICAL SKILLS

Languages: JavaScript, Python, Go, C/C++, SQL, HTML/CSS, Java

Frameworks: Node.js, Svelte, Express

Tools: Git, Docker, Azure Cosmos DB, MongoDB, VS Code, PyCharm, IntelliJ, Eclipse

Systems: Linux, Windows, Mac