

ISAAC SCHWARZ

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OBJECTIVE

Senior computer science student seeking an engaging internship or entry level position to expand my experience and knowledge in the field of computer science.

EXPERIENCE

Industry-Sponsored Capstone Project - SanDisk

Aug 2025 – Present

SanDisk & Northern Arizona University

Flagstaff, AZ

- Designing and implementing a Rust-based testing tool for NVMe SSDs.
- Using formal methods (TLA+, TLC) to specify NVMe behavior and generate test sequences.
- Writing a Rust runner to translate and run test sequences on real NVMe drives.
- Producing professional well-documented code for potential internal use by SanDisk engineers.

PROJECTS

NYT RPG | Typescript, Golang, SQLite

- Web based real time RPG with New York Times games.
- Implemented concurrent WebSocket connections for live gameplay features.
- Built a REST API to handle user authentication and various other features.

VI | Rust

- Vi text editor clone. Compiles to Web Assembly to be used on the web.
- Gap Buffer implementation for efficient text manipulation.

TECHNICAL SKILLS

Languages: C, Javascript/Typescript, Golang, Python, Rust, Java, C++, SQL, TLA+

UI Frameworks: Html, React

Databases: MySQL, SQLite, MongoDB

Operating Systems: MacOS, Linux, Windows

Software: Git, Neovim, VS Code, Postman

General: Bash, Make, Docker

EDUCATION

Northern Arizona University

Flagstaff, AZ

Bachelor of Science (In-Progress), Computer Science

Aug 2023 – May 2026

- Dean's list

Pima Community College

Tucson, AZ

Dual enrollment during high school, 50 credits

Aug 2019 – May 2023

- 16 credits of computer science coursework

RELEVANT COURSEWORK

Obj-Oriented Prog (C++)

Data Structures (C, C++)

Web Programming (JS/React/MongoDB)

Artificial Intelligence (Python)

Database Systems (MySQL)

Computer Networking (C, Python)

WORK EXPERIENCE

Production Cook

Sep 2025 – Present

Cracker Barrel

Flagstaff, AZ

Prep Cook

Jun 2024 – Jul 2025

Zona 78

Tucson, AZ

Nursery Worker

Jun 2021 – Aug 2023

Civano Garden Center

Tucson, AZ