

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 SanDisk & Northern Arizona University	Aug 2025 – Present <i>Flagstaff, AZ</i>
<ul style="list-style-type: none">Designing and implementing a Rust-based testing tool for NVMe SSDs.Using formal methods (TLA+, TLC) to specify NVMe behavior and generate test sequences, in collaboration with a senior SanDisk engineer.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.	

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 Bachelor of Science (In-Progress), Computer Science	Flagstaff, AZ Aug 2023 – May 2026
<ul style="list-style-type: none">Dean's list	

Pima Community College Dual enrollment during high school, 50 credits	Tucson, AZ Aug 2019 – May 2023
<ul style="list-style-type: none">4.00 GPA16 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)

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.