

Andy Babcock

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QUALIFICATIONS SUMMARY

- Foundational knowledge of Cadence Virtuoso
- Foundational knowledge of circuit design in LTSpice
- Intermediate experience in Matlab, Python, C, and Rust
- Demonstrated capabilities of circuit design and board programming through labs

EDUCATION

NORTHERN ARIZONA UNIVERSITY

Studying for a Bachelors in Electrical Engineering on the Lumberjack Scholarship; Unweighted GPA: 3.76 / 4.00

Flagstaff, AZ

Aug 2022–May 2026

- EE 380: Advanced circuit design, focusing on circuits using discrete and IC elements
- EE 406: Designed and analyzed switch-mode DC-DC, AC-DC, and DC-AC power converters
- EE 499: Studying recent trends in wearable technology and designing a simple wearable

RELAVENT EXPERIENCE

CAPSTONE

Building two educational physics robots to be used in K-12 schools

Flagstaff, AZ

Aug 2025–May 2026

- Designed and developed the hardware and software for an inverted pendulum robot
- Worked within the larger Capstone team to meet client requirements by the required deadlines
- Gave monthly presentation on the status of the project to other Captsone groups

ST LUKE LUTHERAN CHURCH

Software Developer

Mesa, AZ

May 2023–Aug 2023

- Contracted by St Luke's (stlukemesa.com) to develop a companion app to Marriage Encounter (encounter.org)
- Solo-developed the app using Signal as the base (github.com/jtof-dev/signal-server)
- Compiled, configured, and documented running Signal-Server and Signal-Android from scratch
- Worked in Java and Docker with AWS, Google Cloud, and Redis

HOMEGOODS

Store Associate who unloaded the truck and assisted customers while shopping

Flagstaff, AZ

June 2025–Jan 2026

SAM'S CLUB

Club Associate who oversaw cart management and assisted members with loading their cars

Flagstaff, AZ

May 2024–Aug 2024

ROD'S ACE HARDWARE

Hardware store associate who worked registers and led the store in donations for a charity drive

Mesa, AZ

Jun 2022–Aug 2022

ANDY'S CUSTARD

Custard shop associate who juggled producing custard, making treats, and serving customers

Mesa, AZ

May 2021–Oct 2021

INTERESTS

- I am actively engaged in the competitive Melee (Super Smash Bros Melee) community through competing at local tournaments, helping host events, and running meleemajors.gg to track large upcoming Melee tournaments
- I enjoy rock climbing and bouldering at my local gyms