

## EDUCATION

**Kalamazoo College, Kalamazoo, MI**

Computer Science Major, Psychology Minor

**Bachelor of Arts, June 2023**

GPA: 3.0/4.0

### Relevant Courses:

Intro to CS, Intro to Object Oriented Programing, Data Structures, Computer Organization, Principles of Programming Languages, Mobile Computing, Networking & Dist. Systems, Discrete Math, Cognitive Science & Applied Statistics

## SKILLS

**Languages:** JavaScript, HTML, CSS, Java, Python, SQL, C, Haskell, LISP

**Frameworks & Libraries:** Node JS, Babel, React, Angular, Ionic, Electron

**Cloud Computing:** Amazon Web Services & Google Firebase

**Software:** GitHub, VS Code, Final Cut Pro X, Muscore3, Linux/Unix

**Other:** Soldering, Troubleshooting, Audio/Visual Equipment, Spanish, Camera Operation

## WORK EXPERIENCE

**Software Development Intern**

**April 2022 - November 2022**

*Virtual Music Ensemble Technologies*

*Ann Arbor, MI*

Designed & built a desktop application using React JS & Electron. Implemented an account feature using AWS Cognito. Implemented a system for tracking data points each user was associated with using AWS DynamoDB. Implemented features for retrieving specific JPG and MP4 files from S3 buckets based on other user information. Collaborated with others to debug problems in the mobile application. Created a website to allow users to link accounts.

**Media Technician**

**January 2019 - Current**

*Kalamazoo College*

*Kalamazoo, MI*

Facilitated college staff & faculty with setup and operations of various multimedia devices, such as projectors, desktop computers, speakers, cameras, & microphones. Installed upgraded Epson projectors in rooms on campus. Soldered and assembled XLR cables. Applied interpersonal skills to explain technologies to people with less experience. Operated video cameras, soundboards, and livestreaming equipment for various campus events.

## OTHER EXPERIENCE

**Volunteer**

**September 2017- June 2020**

*Marklund*

*Geneva, IL*

Worked alongside other volunteers and staff to assist disabled clients in performing various activities to increase quality of life.

**Business Director**

**September 2021 - Current**

*Kalamazoo College A Cappella*

*Kalamazoo, MI*

Managed yearly budget for a student led organization. Submitted expense forms and budget proposals. Booked spaces and reached out to faculty to schedule rehearsals and events. Coordinated schedules & time constraints of 15+ people to maintain a regular meeting schedule. Led rehearsal keeping 15+ students focused and attentive for 2 hours at a time.

## PROJECTS

**PARK! At K**

Designed and built a cross-platform mobile application using the Angular framework & the Ionic library. Built a non-SQL database via Google Firebase to hold multiple anonymous users submitted data points. Created cloud functions to perform regular operations and purges of the user submitted data based on time submitted.

**MIPS TO BINARY ASSEMBLER**

Created a program using C which can take machine language code and translate it into binary.