

**TIMO ALEJANDRO ARANJO · 913-286-0701 · alex.aranjo@gmail.com**

## EDUCATION

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|---|-----------------|
| • B.S. Computer Science, University of Kansas, 2021 – 2025        | <b>GPA 3.71</b> |
| • A.G.S. & A.S., Johnson County Community College, 2018 – 2022    | <b>GPA 3.90</b> |
| • Computer Science Academy, Olathe South High School, 2017 – 2021 | <b>GPA 4.0</b>  |

## EXPERIENCE

### LANGUAGES & TECHNOLOGIES

Python · Javascript · ReactJS · C++ · C · Java · Linux · Bash · Apache · VHDL · Verilog · Vim

### SELECTED PROJECTS

**ReactJS Portfolio** · [\[Link\]](#) · (<https://timoiv.xyz>) · A personal website made using ReactJS, Tailwindcss, and WebGL.

**RoboOpp** · [\[Link\]](#) · A robot that shoots intruders with Nerf Bullets. I developed the target detection vision system for the robot in OpenCV and Python. · (Hackathon Project, won Best Hardware award)

**8 bit CPU** · [\[Link\]](#) · An 8-bit Harvard RISC CPU designed in Verilog and deployed on a Tang Nano 20K (Personal Project).

**510 RideKC Bus Tracker** · [\[Link\]](#) · Created to track when the 510 Bus left Edwards Campus KU, using an ESP32 programmed in C/C++. (Personal Project).

**Hosted Personal Server** · Used Oracle Free Tier to host website and Minecraft server. Used Jekyll to create website and Apache to serve it. Minecraft server was launched by custom systemd script and was backed up at regular intervals. (Personal Project)

### LEADERSHIP

**Team Lead for Database Project** · [\[Link\]](#) · Used a relaxed tone to foster collaboration. Guided discussion and advised project direction.

**Team Lead for Calculator Project** · [\[Link\]](#) · Established communication channels to coordinate efforts. When some members were uncooperative, motivated the remaining team and personally contributed additional time to ensure project completion.

## EMPLOYMENT HISTORY

**The University of Kansas** (Student System Admin) · **Lawrence, KS, 66045** · **2022 – 2023**

### Overview

Provided IT support at I2S, an independent research facility within KU's Computer Science department. The building operates its own IT department, separate from the main campus, to support specialized research equipment and software.

### Responsibilities

- Imaging computers for deployment for new students and professors
- Resolving support tickets from researchers and professors to facilitate their academic and research activities
- Migration of systems to updated software for improved security

### Contributions

- Extended the range of auditorium web cam using a novel approach (USB over IP protocol)
- Restored data from professor's failing drive using ddrescue and other tools

## SELECTED COURSEWORK

Embedded Systems · Data Structures & Algorithms · Machine Learning · Digital Systems Design · Cyber Defense · Database Systems · Calculus III · Speaker–Audience Communication