

**SUMMARY** Seeking internships and positions related to software engineering, low-level systems (e.g. firmware, drivers, and operating systems), and/or sound engineering.

## EDUCATION

**Computer Science B.S. – University of Central Florida, Orlando, FL**

GRADUATION: MAY 2023 · 4.0 GPA

Master's degree program pending acceptance and to be completed May 2024.

## SKILLS

- **Programming and markup languages:** ANSI C, Rust, Java, bash, HTML, CSS, Javascript, C#, Python 3
- **Technologies:** Git, GitHub, awk, sed, grep
- **Programs:** Adobe Premiere Pro
- Previously worked in live-venue sound engineering with teams of 5-15 for events of 50-100 attendees.

## EXTRACURRICULAR & COMMUNITY ACTIVITY

**Wiki Knights – University of Central Florida – President**

**FEBRUARY 2020 - PRESENT**

- Interviewed 10+ UCF students of their opinions on textbook prices and created [a video](#) to showcase them.
- Protested against predatory textbook billing policies once considered at UCF.
- As president, organize and maintain contact between Wiki Knights, Student Government, and UCF faculty/staff to promote open educational resources.

**UCF Marching Knights – Sousaphone Section Coordinator**

**AUGUST 2019 - DECEMBER 2022**

- Led sectional rehearsals triweekly with a sousaphone section of 30 members, ensuring their sound and appearance meets the expectations of ensemble directors and the university athletics program.
- Handled conflicts and concerns between section members and acted to maintain a sense of community within the sousaphone section.

## SOFTWARE PROJECTS

**Simple Web Interface for MIPS** (*In-progress Senior Design project*)

**SEPTEMBER 2022 - PRESENT**

- In-browser interface to write, assemble, and visualize MIPS64 instructions written in Rust and the Yew framework.
- Supports 60+ instructions encompassing 64-bit and floating-point instructions.

**Supplementary Computer Science Materials**

**AUGUST 2020 - PRESENT**

- Started and developed 30+ pages on topics such as dynamic memory allocation and variable scope using Markdown.
- Deployed in 5+ sections of 500+ total students at UCF with the backing of course instructors.
- Employed continuous integration with GitHub Actions to build work into an accessible website in under 5 minutes.

**Clippy** (*Group Project of 5*)

**SPRING 2021**

- Social bookmark management service written in C# using the .NET Framework and Razor Pages.
- Developed the algorithm to fetch preview images from pages and created the system architecture diagrams.

### Miscellaneous Projects:

- Built [an Android extension](#) to popular TV show tracker SeriesGuide.

**JULY 2020 - FEBRUARY 2021**

## EMPLOYMENT EXPERIENCE

**Undergraduate Learning Assistant – University of Central Florida**

ORLANDO, FL · **AUGUST 2020 - PRESENT**

- Assist undergraduate students in Introduction to C Programming.
- Offer weekly drop-in office hours to students and conduct 2 virtual review sessions each semester.