

Samuel Xavier Borges

contactme@samborg.dev | linkedin.com/in/samuel-xavier-borges | github.com/samborg-dev

EDUCATION

University of Central Florida

2024 – 2028

Bachelor of Science in Computer Science, Minor in Studio Art | GPA: 3.5

Orlando, FL

Organizations & Affiliations: ColorStack, NAF Alumni, Society of Hispanic Professional Engineers, KnightHacks

Relevant Coursework: Data Structures & Algorithms, C Programming, Java Programming, Python Programming

EXPERIENCE

Software Engineering Intern

Mar 2025 – May 2025

Zuleris Interactive

Orlando, FL

- Engineered a **Unity** based radio interference simulation by authoring modular **C#** scripts to seed configurable overlap frequencies and schedule randomized jamming via **coroutines**, delivering a fully adjustable multi-radio training tool.
- Implemented global static **C#** events to broadcast **UI** open/close and frequency changes, synchronizing audio playback and tuning across **four** independent radio instances for seamless, consistent behavior.

Software Engineering Intern

Feb 2025 – Present

Knight Hacks

Orlando, FL

- Collaborated with a team of **8** developers to create tools to support & facilitate the growth of UCF's **largest** computer science club of **500+** concurrent yearly members.
- Developed a ground-up email automation system using the **Google API** to send personalized acceptance, denial, and event-detail communications to applicants for one of **Florida's largest hackathons**.

Software Engineering Intern

Jun 2023 – Aug 2023

Miami EdTech

Miami, FL

- Assisted with the testing and development of **visual recognition AI** software in **Python**, increasing efficiency & accuracy by **25%**.
- Researched the possible integrations & benefits of STEM education curriculum packages as part of a team of interns, suggesting a proposal to reach **30+** schools in the surrounding area.

PROJECTS

Tariffix | *TypeScript, React, Vite, Tailwind CSS, MongoDB,*

Apr 11, 2025 - Apr 13, 2025

Chrome Extension API, Gemini API, Cheerio, Git

- Enabled real time tariff insights on **100K+** product listings as measured by live overlays on online shopping pages, by building a **Vite**-powered **Chrome extension** backed by an **AI** scraping pipeline for metadata and HTS codes, achieving the **1st** place award for 'Best use of MongoDB' at **Bitcamp 2025**.
- Provided accurate tariff cost estimates as measured by an average error margin under **5%** versus official U.S. tariff rates, in which **web-scraped** data is compared with a **MongoDB** dataset by **Gemini** to calculate & return **precise** tariff calculations back to the user.

SightSync | *Python, Pygame, PyAutoGUI, OpenCV, MediaPipe, Git*

Apr 5, 2025 - Apr 6, 2025

- Enabled precise head movement cursor control as measured by consistent **sub-100 ms** response times, by engineering a **Pygame** based UI and integrating **OS level** hooks via **PyAutoGUI**.
- Enabled fully hands free system navigation and control as measured by successful execution of application navigation, file interaction, & OS commands, by developing modular **Python** pipelines combining **MediaPipe** face mesh tracking with real time voice command parsing.

Kmodo | *TypeScript, Next.js, React, tRPC, Tailwind CSS, Drizzle, PostgreSQL, Git*

Jan 2024 – Present

- Engineered full-stack web applications by integrating responsive user interfaces with scalable backend services, leveraging modern frameworks like **Next.js**, **tRPC**, and **PostgreSQL**.
- Self-hosted infrastructure on a **Linux VPS** with a CI/CD script for reliable deployment and extensibility.

TECHNICAL SKILLS

Languages: Python, C, C++, C#, Java, HTML, CSS, JavaScript, TypeScript

Libraries & Frameworks: Tkinter, Pygame, React, Next.js, Node.js, Vite, Tailwind CSS, tRPC, PostgreSQL, MongoDB, Chrome Extension API, OpenCV

Developer Tools: Git, VS Code, Visual Studio, PyCharm, Eclipse, Unity, Vercel, Prisma, Drizzle, Figma