Samuel Xavier Borges

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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 – Present
Zuleris Interactive   *Orlando, FL*
- Designed a **Unity** based gamified electromagnetic-warfare trainer, boosting trainee success by **15%** with realistic communications tasks and jamming scenarios.
- Developed modular radio-jamming and interference systems using multi-band frequency models & modulation techniques.

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-scrapped** 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