Claudio Sciotto

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Education

B.S. in Computer Science - *University of Florida, Gainesville, FL*   May 2025

Minor: Digital Arts & Sciences   **GPA**: 3.96

Involvement: The Society of PC Building (SPCB), Society of Hispanic Professional Engineers (SHPE)

Experience & Leadership

Samsung Austin Semiconductor
May 2024 – Aug 2024

Software Engineer Intern *(Python, Pandas, SQL, AWS, FastAPI, JavaScript, React, CSS)*

- Developed an automated lambda event system using **Python**, **Pandas**, **SQL**, and **AWS** services like **S3 Bucket**, that triggers daily to monitor and remind **6000+ employees** on daily tasks impacting and streamlining the internal notification system.
- Managed and processed large datasets using **Python** and **SQL** queries to generate automated daily reports to supervisors, cutting report generation time from **4 hours** per department to **10 minutes** total each week.
- Boosted training completion rates by **30%** through an automated reminder system, impacting 6000+ employees
- Created a full-stack monitoring dashboard using **React** and **FastAPI** to analyze tool trends, reducing machine response time by **40%** across 3 departments.
- Documented architectural decisions, setup procedures, and development workflows in Confluence to ensure project scalability and team knowledge transfer.
- Identified and patched security vulnerabilities by conducting **black and white box penetration testing** on internal apps.

The Society of PC Building
Jan. 2024 – Present

Lead Full-Stack Developer & Mentor *(Next.js, Typescript, Node.js, RESTful, NoSQL, Firebase, CSS)* [Site]

- Orchestrated development of the club's flagship site using **Next.js**, **TypeScript**, and **Tailwind CSS**, implementing **Node.js** API routes, while leading bi-weekly sprints with 3 developers and a Figma-based design team through Agile workflows.
- Built and deployed a **Firebase** backend, designing **Firestore** schema, implementing secure admin auth with **Firebase Auth**, and utilizing **Firebase SDK** utilizing server side components alongside **RESTful API** endpoints to handle CRUD operations.
- Designed and implemented a responsive landing page with modern **UI/UX principles**, featuring fluid animations, **mobile-first** design patterns, and intuitive navigation.
- Future-proofed the site with a custom admin dashboard enabling non-technical officers to update content, events, and members without code, streamlining leadership transitions.
- Deployed on **Vercel** with a **CI/CD** pipeline, automated tests, and enforced code reviews to maintain quality and stability.

Event Organizer
Aug. 2022 – Dec. 2023

- **Organized and led General Body Meetings (GBMs) with over 200 attendees**, boosting SPCB's campus presence.
- Secured **$34,000** per semester in funding through strategic technical proposals to the Student Government body.
- Pioneered member engagement, expanding membership by **216% (300 to 1000)** through enhanced digital presence

Projects

Project 101 - AI-Powered Project Development Platform *(Next.js, React, TypeScript, Gemini API, Tailwind)* [Site]   2025

- Designed and developed a dynamic dashboard using **Next.js** and **React** that visualizes AI-generated project specifications.
- Integrated the **Gemini API** to transform user requirements and knowledge into comprehensive project ideas.
- Built responsive UI components (e.g., force-directed graphs, interactive timelines, tech stack selectors) with **Tailwind CSS** and smooth animated transitions.

Hudle.io – Full Stack Game Platform *(Next.js, React, TypeScript, Firebase, Tailwind)* [Site] | [Github]   2025

- Created a scalable full-stack platform with **Next.js** and **Firebase**, implementing real-time game state management, user authentication, and dynamic routing that can handle **1000+ concurrent users**.
- Built a dynamic game creation system using **React** components and **TypeScript**, with a responsive UI using **Tailwind CSS**.

Technical Skills & Certificates

Tech Skills: Java, JavaScript, C++, Python, React, HTML, CSS, Typescript, Next.js, SQL, NoSQL, REST, Node.js, PHP, Git.

Certificates: AWS Certification Cloud Practitioner, AI Fundamentals and Applications @ UF   **Languages:** English & Spanish.