

Jonathan Groberg

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EDUCATION

University of Florida

May 2026

Bachelor of Science in Computer Science | Minor Business Administration | GPA: 3.95/4.00

Gainesville, FL

- Leadership: Grow with Google Scholar, 3X Hackathon Winner, Eagle Scout, Georgia Tech Startup Exchange Fellowship
- Clubs: Open Source Club, ColorStack, Society of Professional Hispanic Engineers
- Selected Coursework: Enterprise Software Engineering, Intro to VR, AI in Science, Python for Biology

EXPERIENCE

Software Engineer Intern

Summer 2025

Google - YouTube Shorts

San Bruno, CA

Software Engineer Intern

Jan 2025 – Present

Fintech

Tampa, FL (Hybrid)

- Deployed **C# backend** feature to Retailer Application that **facilitates 39% of U.S. alcohol sales**, automating user upgrade flow by enabling retailers to self-upgrade thereby eliminating lengthy and manual sales rep and customer service process, **integrating** features from several internal services with **SalesForce API**, reducing friction and driving sales.
- Pushed to production **3 fullstack user stories** and many bug fixes involving **Angular + Typescript** Frontend and **NodeJS + Express** Backend for CRM application as well as unit tests for each code change.

Software Engineer Co-Op

Feb 2024 – Oct 2024

Hillsborough County Sheriff's Office, the 5th largest sheriff's office in the U.S.

Tampa, FL

- Developed full-stack application (end-to-end ownership), serving **1000+** law enforcement agents with **C#** back-end featuring active directory group permissions, **4 SQL** stored procedures, and **Vue** front-end using **TypeScript**, **Quasar**, and unit testing with **Vitest**, replacing paper submission and approval process
- Created **5** web components in a team environment for public site, achieving **100/100** Lighthouse score with **TypeScript**, **Astro**, and **Tailwind CSS** while adhering to ADA guidelines and modern SEO practices.
- Pushed to production auditing feature for full-stack **C#**, **Typescript**, **SQL**, and **Vue** application, achieving **93-96%** accuracy and reducing manual review from 100% to 3-7%, saving **100+** monthly hours across **50+** unique reports.

Computer Science & Mathematics Tutor

Sep 2022 – Jan 2024

Infinite Edge Learning Center & CodeFu

Hybrid Tampa, FL

- Created and implemented 10-15 personalized lesson plans involving advanced math, **Java**, and **Python** each week to facilitate mastery of SAT/ACT math and AP Computer Science, leading to **85%** of students earning AP scores of 3 and above

Data Analyst Intern

Jul 2021 – Dec 2021

The Church Of Jesus Christ Of Latter Day Saints

Taichung, Taiwan

- Allocated \$24,000 yearly advertising budget and created automated reports querying data from employee database with **SQL** and Facebook Pages REST API using **Python**, resulting in an average **20%** cost-per-click across ad campaigns

PROJECTS

Open Source Contributor | Python, C#, Gnome Linux, Ubuntu Linux, Git

June 2020 - Present

- Developed features for 3 **Ubuntu Budgie** apps using **Python** contributing to repository's growth to over **157** GitHub stars
- Contributed to **Gnome Developer Documentation's** example implementations of GTK in **JavaScript** desktop applications, fixing errors and adding new functionality with **6 pull requests** accepted into the main branch
- Developed GTK application displaying live cryptocurrency ticker prices on the desktop and top bar from the **Binance API**

KayEcho | 1st @ Georgia Tech AI hackathon | RAG, LLM (Anthropic), React, Astro, Tailwind, Python, MongoDB

October 2024

- Designed LLM+RAG architecture for social networking tool inspired by the *Black Mirror's Hang the DJ* and Google's NotebookLM, facilitate networking through simulated audio and text conversations winning **1st** out of **150+** projects
- Built and designed frontend using Figma, **Next.js**, **React**, **TailwindCSS**
- Coordinated team of 4, handled **automated deployment**, merge conflicts, and pitched project to judges in under 24 hours winning **automatic** acceptance to the Georgia Tech's Startup Exchange Fellowship and Startup Launch

Fluencia | 1st in Category @ ShellHacks Miami | LLM (Gemini), RAG, Tailwind CSS, React

Sep 2024

- Pitched project, managed team of **4**, and designed architecture for AI Choose Your Own Adventure story based on learned vocabulary to provide an immersive experience in context, winning first in category out of **400+** projects in **36** hours
- Designed **API specification** and automated deployment for front-end written in **React, Tailwind**, and **Typescript**

Community Link | 1st @Morgan Stanley CodeToGive Hackathon | *LLM (Gemini), React, Python, Vercel* Aug 2024

- Managed team of 7, developing safe and inclusive platform for Community Restoration Project to enhance social capital via event, reporting, and community management, AI flyer generation and content moderation, winning **1st out of 15 teams**
- Developed front-end and setup automated deployment to Vercel using **React, Tailwind** and **Astro** and **Google Gemini**

SKILLS

Languages: Typescript, C#, C++, Python, SQL, HTML, CSS

Frameworks/Libraries: Vue, React, .NET, Astro, Nextjs, Bootstrap, TailwindCSS

Tools/Technologies: LLMs, RAG, Git, Linux, Postman, REST-API, Agile, SQL Server Management Studio