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: 3X Hackathon Winner, Grow with Google Scholar, Georgia Tech Startup Exchange Fellowship, Eagle Scout
- 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   May 2025 - Present
Google - YouTube Shorts   *San Bruno, CA*
- Implementing features for YouTube Shorts using **Three.js** to enhance interactive content and improve user engagement

Software Engineer Intern   Jan 2025 - May 2025
Fintech, facilitates 39% of U.S. alcohol sales   *Tampa, FL*
- Deployed self-upgrade feature to **C#** backend used by **260,000+ retailers and 7,500+ manufactures**, thereby eliminating lengthy and manual sales rep and customer service process to reduce user friction.
- Implemented and shipped **3 fullstack user stories** for CRM application using **NodeJS + Express** Backend and **Angular + Typescript** Frontend as well as unit tests ensuring 100% code coverage.

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+** users with **C#** back-end, **4 SQL** procedures, **Vue** front-end using **TypeScript**, **Quasar**, and **Vitest** unit testing to replacing paper submission and approval process
- 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.
- 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.

Computer Science & ACT/SAT Tutor   Sep 2022 – Jan 2024
Infinite Edge Learning Center & CodeFu   *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 data visualization tool 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*
- 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** 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, Javascript
Frameworks/Libraries: Vue, React, .NET, Astro, Nextjs, Bootstrap, TailwindCSS
Tools/Technologies: LLMs, RAG, Git, Linux, Postman, REST-API, Agile, SQL Server Management Studio, Azure Devops