Jonathan Groberg

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EDUCATION

University of Florida — Dec 2025
Bachelor of Science in Computer Science | Minor Business Administration | GPA: 4.00/4.00 — *Gainesville, FL*
- Selected Coursework: Python for Biology, AI in Science, Intro to VR, Enterprise Software Engineering
- Clubs: Open Source Club, ColorStack

EXPERIENCE

Software Engineer Intern — Feb 2024 – Aug 2024
Hillsborough County Sheriff's Office, the 5th largest sheriff's office in the U.S. — *Tampa, Fl*
- Pushed to production a fullstack CRUD app (with end-to-end ownership) serving over **2,000** law enforcement agents
- Implemented **C# Backend** featuring Swagger, user authentication, and permissions based on Active Directory groups
- Created **stored procedures** for **Microsoft SQL Server database** supporting filtering and CRUD operations
- Built a **Vue Frontend** using **Typescript**, **Quasar** and **Vitest**, including 5 custom UI components with proper unit tests
- Developed and pushed to production **5 web components** in a team environment for public-facing site including an event calendar, event timeline, and carousel using **Typescript**, **Astro** and **Tailwind CSS** achieving a 100/100 lighthouse score, following ADA guidelines and modern SEO practices

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 — July 2021 – Dec 2021
The Church Of Jesus Christ Of Latter Day Saints — *Taichung, Taiwan*
- Allocated $24,000 yearly advertising budget, created reports, and queried data from Facebook Pages REST API using **Python** and employee database using **SQL** leading to an average **20%** decrease cost-per-click on ad campaigns

SELECTED PROJECTS

Open Source Contributor | *Python, Gnome Linux, Ubuntu Linux, Git* — June 2020 - Present
- Contributed to **Gnome Developer Documentation**'s example implementations of GTK in JavaScript desktop applications by fixing errors and adding new functionality with **6** pull requests accepted into the main branch
- Contributed to 3 **Ubuntu Budgie Desktop Environment** apps using **Python** to extend the functionality of the Linux desktop helping the repository gain **157** GitHub stars
- Created **GTK** application displaying live cryptocurrency ticker prices on the desktop and top bar from the Binance API

UFStudyBuddies | *Typescript, React.js, Git, Astro , Firebase* | *Demo* | *GitHub* — Mar 2024 - Mar 2024
- Led team of 4 to the finals in the University of Florida OSC Hackathon with a CRUD study-group-finding web application.
- Handled automated **CI/CD** to Vercel and merge conflicts over in **30** files involving **108** commits in under 24 hours
- Developed the Frontend with Server Side Rendering using **Typescript**, **React**, **Astro**, **Firebase Authentication** in collaboration with the Designer and Backend Engineer

Machine Learning Library | *C#, Algorithms, Deep Learning* — May 2023 – Dec 2023
- Developed a matrix library for addition/subtraction, dot product, and scalar multiplication/division, and extended the **C#** Random class to produce a random standard distribution
- Demonstrated library capabilities with feed-forward network utilizing back propagation to accurately predict outcomes

SKILLS

Languages: Typescript, C#, C++, Python, SQL, HTML, CSS
Frameworks/Libraries: Vue, .NET, React, Astro, Node.js, Bootstrap, TailwindCSS
Tools/Technologies: Git, Vim, Linux, Postman, REST-API, Agile, VS Code, Visual Studio, SQL Server Management Studio

AWARDS AND CERTIFICATIONS

University of Florida - Open Source Club: Hackathon Finalist
Boy Scouts of America: Eagle Scout
YearUp & Pluralsight Software Development Bootcamp Graduate