

# GABRIEL SAMBO

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## EXPERIENCE

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### Full Stack Engineer

Silver Pineapple LLC • Remote (Melbourne, FL, USA) • Jul 2025 – Dec 2025

- Designed and built internal web tools managing short-term rental operations across 50+ properties,
- Developed full-stack features using **Next.js, TypeScript, Node.js, and PostgreSQL**, integrating third-party APIs for property management systems, maps, and automated messaging
- Built secure authentication, role-based access control, and admin dashboards serving 15+ operations staff with real-time data syncing
- Automated repetitive workflows including guest messaging and scheduling, reducing manual workload by **40%**
- Deployed and maintained applications using Docker, Linux, GitHub Actions, and Cloudflare with monitoring

### Data Analyst Intern

University of Colorado Boulder • Boulder, CO • Sep 2023 – Feb 2024

- Built Python scripts to automate data processing and analysis workflows, reducing manual effort for recurring reports
- Analyzed datasets using **Pandas and NumPy** to generate insights, creating visualizations with Matplotlib for stakeholder presentations
- Cleaned and processed raw data to ensure accuracy and consistency across multiple data sources

### Research Assistant

ISAT Lab, University of Colorado Boulder • Boulder, CO • Nov 2022 – Jul 2024

- Supported human-AI collaboration research experiments involving **AI-driven educational tools, robotics**, and interactive software
- Set up, monitored, and troubleshooted experimental systems during live classroom and remote learning sessions
- Collected, validated, and organized behavioral and interaction data, maintaining high standards for accuracy and documentation

## PROJECTS

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### Travel Dreams Collection

Next.js 15, TypeScript, PostgreSQL, Drizzle ORM, Radix UI

- Built a web app transforming travel screenshots into an organized, searchable destination database with **multi-algorithm duplicate detection and geo-proximity matching**

### Distributed API Rate Limiter

Go, Redis, Docker, Prometheus, Grafana, Kubernetes

- Built high-performance distributed rate limiting system protecting APIs from abuse while maintaining sub-millisecond latency

### Task Management Tool

React, TypeScript, Firebase, DnD Kit, Tailwind CSS

- Created collaborative project management tool with drag-and-drop kanban boards, task assignments, due dates, and real-time team collaboration

## TECHNICAL SKILLS

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**Languages:** Python, C++, TypeScript, JavaScript, Go, SQL

**Frontend:** React, Next.js 15, Tailwind CSS, Radix UI, Shadcn/UI, Framer Motion

**Backend:** Node.js, FastAPI, Express, REST APIs, PostgreSQL, Redis, Supabase, Drizzle ORM

**DevOps & Tools:** Docker, Git, GitHub Actions, Linux, Kubernetes, AWS, Vercel, Cloudflare

## EDUCATION

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### University of Colorado Boulder

**B.S. Computer Science** • **B.A. Linguistics** (Cum Laude, Honors)

Minor in Data Science • Certificate in Cognitive Science

## LANGUAGES

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English (Native) • Spanish (Native) • French (Conversational)