

Alex Kreidler

alexkreidler2020@gmail.com | Chapel Hill, NC, USA | GitHub: @alexkreidler | alexkreidler.com

PROFESSIONAL EXPERIENCE

Kamala Harris Campaign (Orange County Democratic Party)

Campus Organizing Captain

Chapel Hill, NC

September - November 2024

- Registered **over 100 people** to vote. Had dozens of conversations about candidates, issues, and logistics.
- Built a data dashboard and created targeted voter registration outreach and phone banking lists based on **130K voter records** in Orange County using **DuckDB** and **Observable Framework**, and **Mosaic**.

Magiscape

Founder

San Francisco

February 2023 - August 2023

- Built an AI web scraper that could convert **1K web pages** into tables in **<30 seconds** each using **Node**, **Playwright**, and new algorithms to score CSS selectors and slice HTML to fit in the GPT-3.5 context window.
- Demoed at AI events and pitched VCs with cofounders from Cambridge and a \$100M robotics startup.

Open Knowledge Foundation

Software Engineering Intern

Remote

June 2021 - August 2021

- Improved CKAN extensions in **Django** and **Postgres** and added Frictionless Data CLI data validation.

Greymatter.io

Software Engineering Intern

Alexandria, VA

June 2019 - January 2021

- Added zero-trust encryption to **Kubernetes** sidecar proxies and improved service mesh reconciliation algorithm across **184 contributions** to a 100K-line **Golang** codebase during a 3-month period.
- Trained a **Pytorch** model to detect anomalies in streams of over **1K logs per minute**. Wrote tools to deploy and demo the service mesh in **Python**, **Go**, and **Helm**.

PROJECTS

- Implemented Llama inference from scratch in Pytorch and AdamW and fused matmul in Triton (Dec 2024)
- Mosaic Playground (2024): web app to edit, visualize and interact with charts of **over 10M records** in real-time. Over **15 happy users** including the authors of Mosaic. @jheer: "looks great" @declann: "impressive 🙌"
- Cotable.app: collaborative database editor for Postgres (2022-23)
- Loqudata.org: a search engine for over **700 million** open datasets (2020-2022)

HACKATHON PROJECTS (7 wins, including:)

- HackPenn: First Place - EyeCoach, an iOS app to track, practice, improve eye contact in **Swift**
- HackBI II: First Place - ModelBench, a desktop app with **Electron** to benchmark local ML models
- AGI House Agents Hackathon: Second Place - an AI coding assistant (June 2023)
- HackNYU: Winner, Health Track - ShiftAssist, a **React Native** app for patient data handoff between nurses
- HackNC 2022: Best Use of Google Cloud - Linguabot, a language learning chatbot (before ChatGPT)
- MIT Hacking Medicine DC: Samsung 'Breakthroughs that Matter' Award - veterans mental health chatbot

EDUCATION

University of North Carolina at Chapel Hill

Bachelor's, Computer Science

Chapel Hill, NC

May 2026

SKILLS

- TypeScript, Python, Rust, Go, C/C++, Swift, Java, HTML/CSS, React, Redux, FastAPI, Langchain, Terraform, Kubernetes, AWS, GCP, Writing/Journalism, Legal Research, Music (4 instruments), Spanish and Portuguese