

Experience

Headway

Software Engineer

Remote

May 2022 – Present

- Developed and maintained extensible **Python** platforms using FastAPI, **Celery**, SQLAlchemy, and **PostgreSQL**.
- Led insurance benefit platform accuracy and resiliency projects, improving profit margins by **\$750k/month**.
- Built performant **Next.js**/React systems using **React Hooks** and Context written in **TypeScript**/JavaScript.
- Improved complex PostgreSQL user search query speed by **800%**, from 4 seconds to <500 milliseconds.

Highlight *Tools Used: Go, AWS Products(ECS, EC2, S3, RDS), TypeScript, React, Linear, Notion*
Software Engineer

Remote

May 2021 – Jan 2022

- **Led Alerting Product:** Managed and developed distributed sliding-window alerting system.
- Engineered fault-tolerant and idempotent worker queue consumer using **Go** and **Postgres**.
- **Led Backend Errors Product:** Developed thread-safe, efficient *backend client* with Go and GraphQL.
- Responded to and resolved production bugs using Highlight, Datadog (Alerts, Metrics, APM), Slack bots, and Intercom.

Datadog

Software Engineer Intern

Remote

Jan 2021 – May 2021

- Developed highly concurrent **Kafka consumer** micro-service in **Go**, deployed with **Kubernetes**
- Wrote reactive API service in **Java** with accompanying frontend in **React/TypeScript**.

Dive Chat *Tools Used: Node.js, Go, Firebase, GCP Functions, React Native, Expo, GitHub Actions*
Software Engineer Intern

Remote

Aug 2020 – Dec 2020

- Extracted and optimized Node.js backend into **Go** micro-services, reducing backend latency by **1000%**.

Microsoft *Tools Used: Python, gRPC/gNMI, Telegraf, InfluxDB, Grafana*
Software Engineer Intern

Remote

May 2020 – Aug 2020

- Modernized Cisco network switch telemetry collection, improving latency by **3000%**.

State Farm *Tools Used: Java, Spring Boot, GitLab CI/CD*
Software Engineer Intern

Dallas, TX

May 2019 – Aug 2019

Reveal Modern *Tools Used: JavaScript, Python, WordPress*
Software Engineer Intern

Dallas, TX

Jan 2018–Apr 2018/Dec 2018–Mar 2019

Projects

TAMUhack

Tools Used: Python, PostgreSQL, Docker, Heroku, AWS S3, Cloudflare

- Raised \$4k in sponsorship, led and mentored 5 student developers on registration system, website, and mobile app.

Education

Texas A&M University

GPA: 3.4/4.0; 2.5 years in coursework towards BS in **Computer Science**

College Station, TX

Aug 2018 – Apr 2020

Skills & Interests

Languages Go, TypeScript, Python, Java, C++, SQL, GraphQL

SWE gRPC, DynamoDB, PostgreSQL, Redis, NodeJS, React

DevOps Docker, Docker Compose, Containers, GitHub Actions

Free-time Snowboarding, Languages (Mandarin, French), Tea

Honors & Awards

MLH Top 50 Hacker of 2020: Top hackathon competitor out of **100,000**.

Winner of **17 hackathons**, including:

- Treehacks(Stanford) 2021
- hacknow(UC Berkley) 2020
- HackTX(UT Austin) 2019/2020