

# Cameron Brill

brill.wtf/me

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## Experience

### Highlight

Software Engineer

Remote

Aug 2021 - Jan 2022

- Managed and developed distributed sliding-window alerting product using Linear, Notion, **Go, Typescript/React, and AWS [ECS, S3, RDS (Postgres)]**.
- Engineered fault-tolerant and idempotent worker queue consumer using **Go** and Postgres.
- Led Backend Errors product effort, developed open-source Highlight backend SDK with Go using channels, goroutines, and GraphQL.
- Responded to and resolved production bugs; directed product reviews with customers (CEOs, CTOs, and Engineers).

Software Engineer Intern

May 2021 - Aug 2021

- Built backend **GraphQL APIs** using **Go** and Postgres with frontend UIs in React/TypeScript.
- Created naive alerting product PoC using **Go** and Postgres.
- Effectively balanced fast-paced full-time internship while traveling/living in South Korea.

### Datadog

Software Engineer Intern

Remote

Jan 2021 - May 2021

- Developed highly concurrent **Kafka consumer** microservice in **Go**, deployed with **Kubernetes**
- Wrote reactive api service in **Java** with accompanying frontend in **React/TypeScript**.
- Familiarized myself with multiple **Datadog** products to avoid production incidents.

### Dive Chat

Software Engineer Intern

Remote

Aug 2020 - Dec 2020

- Replaced monolith Node.js backend with **Go** microservices, reducing backend latency by **1000%**.
- Developed cached **Redux** selectors in **Javascript** for a React Native app, reducing various load times by **400%**.

### Microsoft

Software Engineer Intern

Remote

May 2020 - Aug 2020

- Built network telemetry PoC with **gRPC/gNMI, Telegraf, InfluxDB, and Grafana**, increasing data throughput by **3000%**.
- Automated global deployments of my PoC to Microsoft networking devices with Python.
- Coordinated with cross-org teams and Cisco contractors to adjust products for our project spec.

## Projects

### TAMUhack

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

- Designed and developed backend for largest hackathon in Texas; led team of 5 on other project-fronts.
- Organized technical workshops, initiated corporate/student org outreach, and aided as a technical mentor.

### brill.wtf

Tools Used: Go

- Built url shortening client that I'm currently extending to support gRPC, REST, and GraphQL.

## 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

## Programming Skills

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

**Web** GraphQL, REST, gRPC, NodeJS, React

**Datastores** PostgreSQL, MongoDB, Redis, InfluxDB, Kafka

**DevOps** Docker, Docker Compose, Kubernetes, GitHub Actions

## Honors & Awards

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

Winner of **17 hackathons**, including:

- Treehacks(Stanford) 2021
- HackTX(UT) 2019/2020
- EarthXHack(Asterisk) 2020
- hack:now(Berkley) 2020
- Hack Quarantine(Hackathons UK) 2020