

# Cameron Brill

cameronbrill.me

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## Education

### Texas A&M University

Bachelor of Science in Computer Science; GPA: 3.4/4.0

College Station, TX

Expected Dec 2022

## Experience

### Datadog

Software Engineer Intern

Remote

Jan 2021 - May 2021

- Developed distributed rules-based event aggregation system in **Java/Golang(Go)**.
- Architected product for scalability using **Kubernetes** and Datadog CI/CD platform.
- Load-tested partitioned **AWS RDS postgres** instance with **Go** and **goroutines**.
- Optimized frontend routing in **Python** and components in **React/TypeScript**.

### Highlight

Software Engineer Consultant

Remote

Dec 2020 - Jan 2021

- Engineered fullstack systems in **Go**, Postgres, GraphQL, and React/TypeScript.

### Dive Chat

Software Engineer

Remote

Aug 2020 - Dec 2020

- Converted backend from Node.js to **Go** microservices and heavily optimized it, reducing load times by **1000%**.
- Developed cached **Redux** selectors with Reselect and Re-reselect, reducing various load times by **400%**.
- Reduced database calls and component renders through user and contact lazy loading with **JavaScript**.

### TAMUhack

Tech Lead

College Station, TX

Oct 2019 - Present

- Redesigned Python/Django application cloud infrastructure with **Heroku** and **AWS S3**, supporting **4000+** users.
- Manage team of 5 developers to create software solutions for the largest hackathon in Texas.

### Microsoft

Software Engineer Intern

Redmond, Washington (Remote)

May 2020 - Aug 2020

- Designed multithreaded **Python** script improving process speed by **200%** for Microsoft Teams.
- Developed novel network streaming telemetry PoC with **gRPC/gNMI**, **Telegraf**, **InfluxDB**, and **Grafana**.
- Automated deployment to global production switches using **Python** and **Docker Compose**.
- Increased data availability by **3000%** compared to previous data pulling method.

### State Farm

Software Engineer Intern

Dallas, TX

May 2019 - Aug 2019

- Spearheaded microservice development in **Java Spring Boot** for a web app used by 60k insurance agents daily.
- Increased overall code throughput by **18%** with custom **GitLab CI/CD** pipelines and cloud-enabled Config Server.

## Projects

### brill.wtf

Tools Used: Go, Redis, PostgreSQL, Docker, Docker Compose, Kubernetes

- Building personal URL shortener caches links, is containerized with Docker, and deployed to Google Kubernetes Engine.

## Programming Skills

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

**Web** Flask, Django, NodeJS, Express, Redux

**Databases** MySQL, PostgreSQL, MongoDB, InfluxDB, Redis

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

**Other** Firebase, Pandas, Azure, AWS, Linux,  $\text{\LaTeX}$ , Git, OOP

## 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