

# Cameron Brill

cameronbrill.me

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## Education

### Texas A&M University

Bachelor of Science in Computer Science; GPA: 3.4

College Station, TX

Aug 2018 - May 2022

## Experience

### Datadog

Software Engineer Intern

Remote

Jan 2021 - May 2021

- Will be implementing extremely performant/low latency data pipelines in Go, starting Jan 2021.

### Dive Chat

Software Engineer Intern

Remote

Aug 2020 - Present

- Developed cached **Redux** selectors with Reselect and Re-reselect, reducing group and channel load times by **70%**.
- Reduced database calls and component renders through user and contact lazy loading with **JavaScript**.
- Introduced company-wide DevOps standards/pipelines for React Native/React/Redux/Firebase mobile and web app.

### TAMUhack

Tech Lead

College Station, TX

Oct 2019 - Present

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

### 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, reducing site outages by **30%**.
- Interfaced with vendors and external organizations to properly and efficiently execute project.

### 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.

### Reveal Modern

Software Engineer Intern

Dallas, TX

Dec 2018 - Mar 2019

- Automated processes with **Python** and ads with **JavaScript** reducing developer workload by **25%**.

Software Engineer Intern

Jan 2018 - Apr 2018

- Developed websites for 10+ clients using HTML/CSS, **Javascript**, and PHP/WordPress.

## 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** Python, C++, Java, TypeScript, JavaScript, Go, 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 **14 hackathons**, including:

- Shell Hacks 2020
- EarthXHack 2020
- hack:now 2020
- Hack Quarantine 2020
- HackTX 2019