Cameron Brill
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Education

Texas A&M University — College Station, TX
Bachelor of Science in Computer Science; GPA: 3.4 — Aug 2018 – May 2022

Experience

Datadog — Remote
Software Engineer Intern — Jan 2021 – May 2021
- Will be implementing extremely performant/low latency data pipelines in Go, starting Jan 2021.

Dive Chat — Remote
Software Engineer Intern — 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 — College Station, TX
Tech Lead — Oct 2019 – Present
- Developing smart hackathon team creator with **Go**, connected with registration system through **django-grpc**.
- 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 — Redmond, Washington (Remote)
Software Engineer Intern — 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 — Dallas, TX
Software Engineer Intern — 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 — Dallas, Texas
Software Engineer Intern — Dec 2018 – Mar 2019
Software Engineer Intern — Jan 2018 – Apr 2018
- Automated processes with **Python** and ads with **JavaScript** reducing developer workload by **25%**.

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, LaTeX, Git, OOP

Honors & Awards

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

Winner of **15 hackathons**, including:
- Shell Hacks 2020
- EarthXHack 2020
- hack:now 2020
- Hack Quarantine 2020
- HackTX 2019