

# 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

Expected Dec 2021

## Experience

### • Microsoft

Software Engineer Intern

Redmond, Washington (Remote)

May 2020 – Present (Ending Aug 2020)

- Developed novel network streaming telemetry PoC with **gRPC/gNMI**, **Telegraf**, **InfluxDB**, and **Grafana**.
- Deployed across **40** production switches with **Ansible** automation and **Docker Compose** container orchestration.
- Increased data availability by **6000%** 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.
- Created unit tests (JUnit) and UI tests to improve testing coverage to **99%**.
- Participated in internal hackathon, aiding to the development of an iOS app in a single weekend.

### • TAMUhack

Tech Lead

College Station, TX

Oct 2019 – Present

- Manage team of 5 developers to create software solutions to run the largest hackathon in Texas.
- Secured **\$7,500** in sponsorship contributing to overall \$75k of funding for development and event running purposes.

### • Reveal Modern

Software Engineer Intern and Full-Stack Developer

Dallas, TX

Spring 2018 and Spring 2019 Respectively

- 2019**: Automated processes with **Python** and ads with **JavaScript** reducing developer workload by **25%**.
- 2018**: Developed websites for 10+ clients using HTML/CSS, **JavaScript**, and PHP/WordPress.

## Projects

### • True Colors

Tools Used: Python, Pandas, Requests, BeautifulSoup, Jupyter, MongoDB Atlas

- Winner at HooHacks 2020, Hack Quarantine, Hack Kosice Digital, and RowdyHacks 2020.
- Web scraper that analyzes a company's reaction to and contribution to society during a pandemic.
- Scraped data with Requests, cleaned with Pandas and BeautifulSoup, and hosted on MongoDB Atlas cluster.

### • The Sustainability Index

Tools Used: Javascript, Express.js, MongoDB, Python, Pandas

- 1st place** winner at HackTX 2019 (700+ participants) and winner of Capital One and Pimco challenges.
- Stock index coupled with scores for environmental+social impact and labor practices.
- Created API with Express.js/MongoDB and used Pandas to clean and join 4 company info datasets.

### • Taco 'bout It

Tools Used: Python, Flask, Pandas

- Website to predict competitive pricing/location strategies for potential taco/burrito shop owners.
- Created API with Flask and cleaned/analyzed taco/burrito restaurant data with Pandas.

## Honors & Awards

- MLH Top 50 Hacker of 2020**: Based on my projects and community impact, out of 100,000 students who participated in hackathons, Major League Hacking chose my story to be one of 50 recognized on this list.
- 1517 Fellow**: Selected from 99 teams to be awarded funding at hack:now to create a startup.
- Winning Competitions**: HackTX19, HackSMUI9, HackUNT19/20, Wacode19, HackHouston19, RowdyHacks20, Hack Kosice Digital20, Hack Quarantine20, TAMIDS Data Science Competition 2020, HackDSC20, hack:now20, CitrusHacks20, EarthXHack20.
- Hackathon Mentorship**: Howdy Hack 2019(Top Mentor), TAMUhack 2020, Hacklahoma 2020.

## Programming Skills

- Languages**: (Proficient): Python, Java, Typescript, Javascript, (Familiar): GoLang, C++, SQL
- Technologies**: Azure, AWS, Tensorflow, Keras, Pandas, Flask, NodeJS, Express, Spring Boot
- Databases/Environments**: PostgreSQL, MySQL, MongoDB, UNIX (Arch Linux, Debian Linux, MacOS)