

# Cameron Brill

cameronbrill.me

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## Education

- **Texas A&M University** College Station, TX  
*Bachelor of Science in Computer Science; GPA: 3.4*  
Expected May 2022

## Experience

- **Dive Chat** Remote  
*Software Engineer*  
Aug 2020 – Present
  - Working with startup to introduce modern devops and cloud principles for cost and time efficiency.
- **Microsoft** Redmond, Washington (Remote)  
*Software Engineer Intern*  
May 2020 – Aug 2020
  - Crafted 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** 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.
  - 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** College Station, TX  
*Tech Lead*  
Oct 2019 – Present
  - Manage team of 5 developers to create software solutions for the largest hackathon in Texas.
  - Secured **\$7,500** in sponsorship contributing to overall \$75k of funding for development and event running purposes.
- **Reveal Modern** Dallas, TX  
*Software Engineer Intern and Full-Stack Developer*  
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, Beatiful Soup, 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 Beautiful Soup, 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.

## 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, HackSMU19, 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)