

Cameron Brill

cameronbrill.me

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Education

- **Texas A&M University** College Station, TX
Bachelor of Science in Computer Science; GPA: 3.41
Expected Dec 2021

Experience

- **Microsoft** Redmond, Washington
Software Engineer Intern
May 2020 - Aug 2020
 - Working in E360 team on telemetry streaming services with Python, C#, and gRPC/gNMI.
- **Dynamic MC** College Station, TX
Founder and Software Engineer
Nov 2019 - Present
 - Open-source solution to affordable Minecraft servers. Uses **AWS EC2** hourly instances for efficient spending.
 - Currently developing AWS connection API in **Go** and overseeing a developer creating frontend in React.
- **TAMUhack** College Station, TX
Tech Lead
Oct 2019 - Present
 - Facilitated open source initiative to involve multiple hackathons in using and contributing to our tech stack.
 - Led team of 5 developers to maintain and generalize **Django** registration system used by **4000+** people.
 - Secured **\$4k** in sponsorship contributing to overall \$75k of funding for the event.
- **State Farm** Dallas, TX
Software Engineer Intern
May 2019 - Aug 2019
 - Spearheaded microservice development in **Java Spring Boot** for 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%** for above mentioned project.
- **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 webpages for 10+ clients using HTML/CSS, **Javascript**, and PHP/WordPress.

Projects

- **True Colors** Skills Used: Python, Pandas, Requests, BeautifulSoup, Jupyter, MongoDB Atlas
 - 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.
- **InFlightful** Skills Used: Python, Pandas, ~~ETX~~
 - Application and analysis for data science competition between undergraduates and graduates at A&M.
 - Created models to analyze common factors in causing flight delays and predict flight delays.
- **The Sustainability Index** Skills Used: Javascript, Express.js, MongoDB, Python, Pandas
 - Stock index coupled with scores for environmental+social impact and labor practices.
 - Created API with Express.js and MongoDB and used Pandas to clean and join 4 company info datasets.
- **Taco 'bout It** Skills Used: Python, Flask, Pandas
 - Website to tell potential taco/burrito shop owners competitive location and pricing strategies.
 - Created API with Flask and cleaned and 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 \$11k in funding at hack:now to create a startup.
- **Competitions I've Won At**: HackTX19, HackSMU19, HackUNT19/20, Wacode19, HackHouston19, RowdyHacks20, Hack Kosice Digital20, Hack Quarantine20, TAMIDS Data Science Competition 2020, HackDSC20, hack.now20, CitrusHacks20, EarthXHack20.
- **Hackathons I've Mentored At**: Howdy Hack 2019(Top Mentor), TAMUhack 2020(Organizer), Hacklahoma 2020.

Programming Skills

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