Cameron Brill

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EDUCATION

- **Texas A&M University** — College Station, TX
  Bachelor of Science in Computer Science; GPA: 3.35 — *Expected May 2022*
  Relevant Coursework: *Advanced Topics in Deep Learning, Artificial Intelligence, Linear Algebra*
- **Stanford Online**
  Deep Learning and Machine Learning Course Audit with Projects — *2018-2019*

EXPERIENCE

- **Dynamic MC** — College Station, TX
  Founder and Software Engineer — *Nov 2019 - Present*
  - **Logistics**: Open source, open pricing Minecraft server domain registrar, geared towards low income students.
  - **Development**: Using Go for custom API connection to AWS, React and Redux for frontend deployed on Netlify, Redis for caching, Docusaurus for documentation, and MySQL for database.

- **TAMUhack** — College Station, TX
  Software Developer — *Oct 2019 - Present*
  - **Logistics**: Secured $4k in sponsorship and maintained active communication with sponsors.
  - **Development**: Created Django actions for custom registration system and updated static landing page.

- **State Farm** — Dallas, TX
  Software Engineer Intern — *May 2019 - Aug 2019*
  - **Policy Center**: Web app used by 60k insurance in the US. Allows Policy and Account creation and management.
  - Created SOAP microservices with Java and Spring Boot to connect large Java backend to Policy Center's frontend.
  - Deployed these microservices to Pivotal Cloud Foundry(PCF) for use in production.
  - Developed custom pseudo-superuser access role in Policy Center with Gosu, used by ~150 developers in production.
  - Wrote Java unit tests(JUnit) and streamlined my workflow with custom GitLab CI/CD yaml files.

- **Reveal Modern** — Dallas, TX
  Software Engineer Intern and Full-Stack Developer — *Spring 2018 and 2019*
  - **Full-Stack Developer**: Consistently interfaced with clients to coordinate production deployment of websites.
    * Produced custom Python scripts to connect contact forms with Hubspot CRM, saving 6 hours of work/week.
    * Consumed External APIs to optimize ad placement and frequency with Google Apps Script.
  - **Software Engineer Intern**: Developed webpages for Redman Pictures, Motus Red, Katherine Beck Gifts, and Nobles Baldwin Real Estate using HTML/CSS, Javascript, PHP, and WordPress.

PROJECTS

- **Neural Style Transfer**: Implemented 19 layer VGG neural network using Jupyter Notebook, Python, Tensorflow, and Keras. Takes two photos as input then transfers the style of one photo to the content of the other photo.
- **The Sustainability Index**: Stock index that displays stocks alongside 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**: Website to tell potential taco/burrito business owners where to be and needed menu pricing to be competitive for the area. Created API with Flask and cleaned and analyzed taco/burrito restaurant data with Pandas.

HONORS & AWARDS

- Won $5800 in awards at 12+ hackathons including 1st place at HackTX, HackSMU, and multiple sponsor challenges.
- Mentored at Howdy Hack 2019, placing as top mentor in number of technical issues helped.
- Finalist in Raymond Ideas entrepeneurship competition at Texas A&M 2 years in a row.
- Won 17th/635 teams in Cyber Patriot Texas Platinum Division cyber security compeition.

PROGRAMMING SKILLS

- **Languages**: Python, Typescript, Javascript, GoLang, Java, C++, SQL
- **Technologies**: AWS, Tensorflow, Keras, Flask, NodeJS, Express, Spring Boot