Gabriel Britain

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SUMMARY

Hi! My name is Gabriel Britain, and I'm a junior Computer Science major at Texas A&M University in College Station. I'm passionate about creating impactful solutions using cutting-edge technologies!

EXPERIENCE

Google, Sunnyvale, CA   5/2018 - 8/2018
Cloud SRE(Engineering Practicum Intern)

- Built an automated document classification pipeline using statistical machine learning models.
- Integrated the new pipeline as part of a service designed to manage company-wide resilience tests.
- Overhauled an existing interface based on previous feedback to better fit user needs, and to include suggestions from the new pipeline.

State Farm Insurance, Richardson, TX   5/2017 - 8/2017
Product Solutions (Software Engineering) Intern

- Designed and developed a full-stack web application in ReactJS and Node.js to assist project teams with automated test creation.
- Application back end parsed a custom automation project and performed cosine similarity queries on project data.
- Released the completed application to 100+ project developers and improved automated testing timelines by 40%.

Information Innovation Lab, College Station, TX   09/2017 - Present
Undergraduate Research Assistant

- Developing deep-learning models using convolutional neural networks and LSTMs to apply to various tasks, such as byte-based file identification.

PERSONAL & CLASS PROJECTS

Aggie Open API, Project Founder, Backend Developer   2/2018 - Present

- Developing an unofficial API for Texas A&M students to access course registration data for general-purpose use. Includes grade distributions, building locations, and prerequisites, all packaged in a standardized data format for public consumption.

Good Bull Schedules, Project Founder, Co-Developer   6/2017 - Present

- Developing a scheduling application to assist Texas A&M University students plan out their schedules for the upcoming semester.
- Built a responsive user interface using ReactJS, and created an API using Node.js, MongoDB, and Elasticsearch.
- Implemented an artificial intelligence that solves a constraint-satisfaction problem that enables users to generate schedules based on public professor grade distributions. Self-taught from ai.stanford.edu.

EDUCATION

Texas A&M University, College Station, TX   08/2016 - 05/2020
Bachelors in Computer Science(GPA 3.62)

SELECTED SKILLS

Top skills: Spanish, JavaScript, Python, Django, Express, Public Speaking, Scrum, Teaching
More skills: MongoDB, Elasticsearch, Version Control

AWARDS & ADDITIONAL INFORMATION

- National Hispanic Scholar, College Board (2015)
- AP Scholar with Distinction, College Board (2016)
- State Farm Master Class Speaker, State Farm (2017)