Gabriel Britain

CONTACT INFORMATION	Mail: quontas@gmail.com Website: https://gabrielbrita.in GitHub: https://github.com/SaltyQuetzals

EDUCATION

Texas A&M University — College Station, TX
BS in Computer Science, 3.72/4.0 GPA — *August 2016 - Expected May 2020*

Coursework: Human-Computer Interaction, NLP, Analysis of Algorithms, Data Structures

WORK EXPERIENCE

Google — Sunnyvale, CA
Software Engineer Intern — *May 2019 - August 2019*

- Created customer-facing, real-time notification system for Google Voice enterprise customers.
- Integrated system into multiple teams' codebases to provide instantaneous data consistency.

Interface Ecology Lab — College Station, TX
Undergraduate Researcher — *February 2019 - Present*

- Developing real-time collaborative web app that implements writing, sketching, chat, and live streaming video.
- Built developer-friendly clusters for running multi-container architecture locally, simplifying development process.

Google — Sunnyvale, CA
Site Reliability Engineer Intern — *May 2018 - August 2018*

- Created automated document classification pipeline, speeding up document reviewal process by 50%.
- Integrated new pipeline into application designed to manage company-wide resilience tests.
- Overhauled existing interface based on stakeholder feedback and included new pipeline output.

State Farm Insurance — Richardson, TX
Software Engineer Intern — *May 2017 - August 2017*

- Created full-stack web application to index automated test suite for engineers to search through.
- Application performed cosine similarity queries on user queries to provide ranked results.
- Released completed application to 100+ developers and improved test creation time by 40%.

PROJECTS

TAMUhack Software Suite — *January 2019 - Present*

- Created full-stack registration system in Django with 800+ users.
- Constructed GitOps CI/CD pipeline, reducing deployment time by over 90%.
- Deployed Kubernetes cluster to Google Cloud Platform for high resiliency and uptime.

Good Bull Schedules — *January 2017 - May 2018*

- Created first public, open-data API for processing Texas A&M course data.
- Designed responsive scheduling application for students to plan their upcoming schedule.
- Implemented a constraint satisfaction solver to generate optimal schedules for students.

ACTIVITIES

TAMUhack Tech Organizer — *January 2019 - Present*

Aggie Coding Club Vice President — *January 2018 - Present*

AWARDS

National Hispanic Recognition Program Scholar — *May 2015*

- Received award presented to the top 5,000 Hispanic students out of 250,000 who take the PSAT for outstanding academic achievements.

SKILLS

Languages: Python, TypeScript/JavaScript, HTML/CSS, Java, C++, Rust, Go, C
Tools: Git, Linux, BASH, WebSockets, Node.js, Docker, Kubernetes, Protobuffers, TravisCI