GABRIEL BRITAIN

CONTACT

quontas@gmail.com
https://gabrielbrita.in
https://github.com/SaltyQuetzals

EDUCATION

Texas A&M University, College Station, TX
B.S. in Computer Science, Expected May 2020
GPA: 3.72/4.0

SKILLS

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

WORK EXPERIENCE

Google   May – August 2019
Software Engineer Intern   Sunnyvale, CA

- 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   February 2019 – Present
Undergraduate Researcher   College Station, TX

- Developing real-time collaborative web app that implements writing, sketching, chat, and live streaming video
- Studying impacts of quantitative creativity metrics on student performance through dashboards and versioning

Google   May – August 2019
Site Reliability Engineer Intern   Sunnyvale, CA

- Created automated document classification pipeline, speeding 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   May – August 2017
Software Engineer Intern   Richardson, TX

- 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