

# GABRIEL BRITAIN

## CONTACT

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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

Software Engineer Intern

May – August 2019

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

Undergraduate Researcher

February 2019 – Present

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

Site Reliability Engineer Intern

May – August 2019

Sunnyvale, CA

- Created automated document classification pipeline, speeding document review 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

Software Engineer Intern

May – August 2017

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

Tech Lead

January 2019 – Present

- Created full-stack registration system in Django with 4000+ users
- Constructed GitOps CI/CD pipeline, reducing deployment time by over 90%
- Deployed Kubernetes cluster to Google Cloud Platform for high resiliency and uptime

## ACTIVITIES

### Aggie Coding Club Vice President

January 2018 – Present

## PUBLICATIONS

BRITAIN, G., JAIN, A., LUPFER, N., KERNE, A., PERRINE, A., SEO, J., SUNGKAJUN, A., (2020). Design is (A)live: An Integrated Ideation and Assessment Environment. *ACM CHI Late-Breaking Work 2020*.

## 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