

# Jake Gutierrez

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## CONTACT INFORMATION

[linkedin.com/in/jakegut](https://www.linkedin.com/in/jakegut)  
[jakegut0108@gmail.com](mailto:jakegut0108@gmail.com)  
(979) 676-3030

[github.com/jakegut](https://github.com/jakegut)  
[jakegut.com](https://jakegut.com)

## WORK EXPERIENCE

### Rivet Health

Software Engineer

Sandy, UT

June 2021 – Present

- Contributed to an established SaaS application in Angular, Node.js, and Typescript
- Interacted with third-party APIs to synchronize patient, payers, and appointment information
- Wrote and performed migrations on a PostgreSQL database

### Texas A&M Engineering Experiment Station

Software Developer

College Station, TX

June 2020 – May 2021

- Designed and implemented a REST API to store data from learning management systems
- Developed full-stack web application using Python with Flask, React and PostgreSQL that asynchronously analyzes GitHub interactions
- Designed API end points to provide data visualizations of GitHub participation

### Southwestern University

Artificial Intelligence Research Assistant

Georgetown, TX

May 2019 – July 2020

- Innovated methods in Java and Python to generate video game dungeons based off of *The Legend of Zelda*
- Conducted a user study to compare AI generated and human-produced dungeons
- Presented results to the World Conference on Computation Intelligence in a published paper and presentation

## EDUCATION

### Southwestern University

Bachelor of Arts in Computer Science, Minor in Business

Georgetown, TX

Aug. 2018 – May 2021

### Blinn College

Associate of Arts in Liberal Arts

Bryan, TX

Aug. 2014 – May 2018

## PROJECTS

### Southwestern University Tutor App

Jan. 2021 – June 2021

- Designed and developed a RESTful API using FastAPI and PostgreSQL
- Utilized Docker and GitHub Actions to implement a CI/CD workflow to deploy to Google Cloud Run
- Led a team of three-members to develop the backend through pair programming and code reviews
- Implemented Scrum and Kanban models for a six person team to speed up development

### Gitlytics

June 2020 – May 2021

- Designed a full-stack web application and developed it using Flask with React
- Utilized GitHub OAuth and Webhooks to get data from users' repositories
- Visualized GitHub data to show collaboration between contributors
- Implemented asynchronous tasks with Celery and Redis

## TECHNICAL SKILLS

**Languages:** Java, Python, SQL (Postgres), TypeScript, HTML/CSS,  $\LaTeX$   
**Frameworks:** React, Angular, Node.js, Flask, FastAPI  
**Developer Tools:** Git, Docker, Google Cloud Platform, Make