

Jake Gutierrez

CONTACT INFORMATION

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

github.com/jakegut
jakegut.com

WORK EXPERIENCE

Rivet Health

Incoming Software Engineer Intern

Salt Lake City, UT
June 2021 – Aug. 2021

- Full-stack development with Angular.js and Node.js

Texas A&M Engineering Experiment Station

Software Developer

College Station, TX
June 2020 – Present

- 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 endpoints to provide data visualizations of GitHub participation
- Utilized Docker to deploy a full-stack application to AWS Lightsail

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 | *Python, SQL, Docker, Git, GCP*

Jan. 2020 – Present

- 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 | *Python, Flask, React, PostgreSQL, Docker, Redis*

June 2020 – Present

- 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 users
- Implemented asynchronous tasks with Celery and Redis

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R, \LaTeX
Frameworks: React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI, PyTorch
Developer Tools: Git, Docker, TravisCI, Maven, Google Cloud Platform
Libraries: pandas, NumPy, Matplotlib