

# Jake Gutierrez

979-676-3030 | [gutierr8@southwestern.edu](mailto:gutierr8@southwestern.edu) | [linkedin.com/in/jakegut](https://www.linkedin.com/in/jakegut) | [github.com/jakeryang](https://github.com/jakeryang)

## EDUCATION

### Southwestern University

B.A. in Computer Science with Business Minor

August 2018 – May 2021

Georgetown, TX

### Blinn College

Associate's in Liberal Arts

August 2014 – May 2018

Bryan, TX

## EXPERIENCE

### Undergraduate Research Assistant

Texas A&M University

June 2020 – Present

College Station, TX

- Developed a REST API using FastAPI and PostgreSQL to store data from learning management systems
- Developed a full-stack web application using Flask, React.js, PostgreSQL and Docker to analyze GitHub data
- Explored ways to visualize GitHub collaboration in a classroom setting

### Information Technology Support Specialist

Southwestern University

Sep. 2018 – Present

Georgetown, TX

- Communicate with managers to set up campus computers used on campus
- Assess and troubleshoot computer problems brought by students, faculty and staff
- Maintain upkeep of 200 printers across campus

### Artificial Intelligence Research Assistant

Southwestern University

May 2019 – July 2019

Georgetown, TX

- Explored methods to generate video game dungeons based off of The Legend of Zelda
- Developed a game in Java to test the generated dungeons with
- Contributed 50K+ lines of code to an established codebase via Git
- Conducted a human subject study to determine which video game dungeon generation technique is enjoyable
- Wrote an 8-page paper and gave multiple presentations on-campus
- Presented virtually to the World Conference on Computational Intelligence

## PROJECTS

### Gitlytics | Python, Flask, React.js, PostgreSQL, Docker

June 2020 – Present

- Developed a full-stack web application using with Flask serving a REST API with React.js as the frontend
- Implemented GitHub OAuth to get user data from their repositories
- Visualized GitHub data to show collaboration
- Used Celery and Redis for asynchronous tasks

### Simple Paintball | Spigot API, Java, Maven, TravisCI, Git

May 2018 – May 2020

- Developed a Minecraft server plugin to entertain kids during free time for a previous job
- Published plugin to websites gaining 2K+ downloads and an average 4.5/5-star review
- Implemented continuous delivery using TravisCI to build the plugin upon new a release
- Collaborated with Minecraft server administrators to suggest features and get feedback about the plugin

### Praylink | Python, Flask, PostgreSQL, Git, Twilio API, Docker

Nov. 2016 – Nov. 2018

- Developed an efficient way to gather prayer requests by text message through the Twilio API
- Developed a front-end for users to view and prayer requests and get updates on them

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R

**Frameworks:** React.js, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI

**Developer Tools:** Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Libraries:** pandas, NumPy, Matplotlib