

**Skills** C/C++, Java, JavaScript, Python, SQL, HTML, CSS, R, Data Modeling, Qualtrics

**Technologies** AWS, GIT, Apache, MySQL, XML, JSON, Django, Flask, Bootstrap, React, Spring Boot, JUnit

## Work

Tarantula.LA | Los Angeles, California

Jun 2019 - Current

### VFX Software Developer

- Lead applications developer in building application extensions and plugins for visual effects/video editing platforms including Adobe Premiere, After effects, DaVinci Resolve, and Nuke.
- Designed the system architecture for the desktop and web application.

C.R. Surf and Turf | Cedar Park, Texas

Jun 2011 - Dec 2018

### Customer Service Staff

- Designed a custom Customer Relationship Management software to successfully interpret customer interactions data to improve business relationships and customer retention.
- Handled numerous customer issues at one time, maintaining composure while resolving concerns using tact and good judgment as well as deploying crisis management tactics resolving escalations and outbreak

## Projects

Fitness.AIO (Web Based) | (React, Python, Django, PostgreSQL, JavaScript, Heroku, AWS)

[Live](#) | [GitHub](#)

Jan 2020 - Present

- Developed a full stack web application using a custom algorithm to analyze and interpret clients nutrition metrics.
- Implemented the backend using CRUD principles and MVC architecture with Django framework enhancing site reliability by 30%.
- Redesigned a backend architecture that increased customer traffic by 12%.

Fitness.AIO (Desktop Based) | (Java, Spring Boot, JUnit 5, Apache Derby, GIT, Hibernate)

[GitHub](#)

Aug 2019 - Dec 2019

- Collaborated in a team to build a desktop application that keeps track of fitness information and calculations.
- Used statistical techniques for hypothesis testing in order to validate data and interpretations.
- Conducted unit testing using JUnit 5 to increase function accuracy for each Agile iteration by 30%.

Journalism Review | (Python, MySQL, HTML, CSS, Bootstrap, Flask, GIT)

[GitHub](#)

Aug 2019 - Dec 2019

- Designed a relational database schema that dynamically handles and indexes new information on the fly.
- Implemented specialized queries that ran 7% faster than stock functions.
- Built a REST API to handle direct requests from Qualtrics survey reports improving user satisfaction by 20%.

Translator | (Java, Sockets, Protocols)

[GitHub](#)

Nov 2019 - Dec 2019

- Interacted with the Yandex API to create server/client protocols to translate information between 90 different languages.
- Implemented SpringBoot to handle API requests with 13% increased efficiency.

Bus Network | (Python, SQL)

[GitHub](#)

Aug 2019 - Dec 2019

- Constructed a database schema and algorithm tracking arrivals and departures of bus transit from Waco, Texas to give the most optimal route with 87% accuracy.
- Improve system performance by 7% that handled both JSON objects and CSV files.

Huffman Compression | (C++, Tree Data Structures, Algorithms)

[GitHub](#)

Nov 2019 - Nov 2019

- Implemented a 10% smaller algorithm to compress and decompress large data files.
- Used a custom tree data structure that optimizes file sizes for 5% better storage usage.

## Education

Baylor University - B.A. Psychology, Computer Science 2014-2019

- Member of Association for Computing Machinery