

# Bryan Lee

Software Developer

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**SKILLS** C/C++, Java, JavaScript, Python, SQL, HTML, CSS

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

## PROJECTS

**Fitness.AIO (Web Based)** | *(React, Python, Django, MongoDB, JavaScript)*

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

*Jan 2020 - Present*

- Developed a full stack web application using a custom algorithm to calculate an optimal daily range of nutrients
- Implemented the backend using CRUD principles and MVC architecture with Django framework and a NoSQL database, MongoDB.
- Incorporated dynamic web pages using React, HTML and CSS.

**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.
- Implemented GRASP principles and GoF system design patterns to optimize scalability.
- Oversaw unit testing using JUnit 5 and other Maven dependencies.

**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.
- Completed the database using MySQL for querying and Python as the backend language.
- Collaborated on all stages of systems development lifecycle from requirements gathering to deployment.

**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.
- Utilized Spring and SpringBoot to handle API requests.

**Bus Network** | *(Python, SQL)*

[GitHub](#)

*Aug 2019 - Nov 2019*

- Constructed a database schema and algorithm tracking arrivals and departures of bus transit from Waco, TX to give the most optimal route
- Improved system performance that handled both JSON objects and CSV files.

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

[GitHub](#)

*Nov 2019 - Nov 2019*

- Created a lightweight application to compress and decompress large data files using the Huffman algorithm.
- Designed a custom tree data structure that optimizes file sizes for better storage.

## EDUCATION

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

- Member of Association for Computing Machinery