Bryan Lee

Software Developer
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LinkedIn **Github**

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, PostgreSQL, JavaScript)* **Live** | **GitHub**
Jan 2020 - Present

- Developed a full stack web application using a custom algorithm to calculate a clients nutrition information.
- 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.
- Implemented GoF system design patterns to optimize scalability.
- Oversaw 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 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.
- 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 with 87% accuracy.
- Improved 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