

Michael Sim

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SKILLS

Technical: Java, Python, JavaScript, TypeScript, HTML/CSS, PHP, C, SQL, NoSQL, Git, Agile

Technologies: ReactJS, Redux, Hadoop, Spark, Maven, MongoDB, Express.js, Node.js, JavaFX, MySQL, SQLite, MS SQL Server, Unix/Bash, JUnit, Mockito/PowerMock, Tomcat

EXPERIENCE

Stonebranch – Alpharetta, GA

Software Engineer Intern

Jan 2021 – Present

- Contributed to development of client side and server side code for Universal Controller
- Universal Controller is a modern workload automation solution that offers enterprise class features that can scale from just a few hundred to millions of tasks
- Use SCRUM for agile development and participate in team-led solutions such as code reviews and daily standups
- Develop, implement, and maintain unit tests of programs using JUnit and Mockito/PowerMock

MARX CryptoTech LP – Buford, GA

Technical Support Intern

Sep 2018 – Nov 2018

- Developed utilities in Java to regression test product API.
- Provided technical support to internal and external customers.
- Resolved hardware and software issues relating to the CRYPTOBOX product.
- Reviewed API documentation for technical accuracy before publishing
- to the company's web site.
- Administered the company's web site using a CMS tool called Pimcore.

Parkside District – Lawrenceville, GA

Lead Server

Jun 2018 – Mar 2020

- Trained and provided direction to other teammates.
- Collaborated and communicated effectively in a face-pace restaurant environment to ensure professional and efficient food delivery.
- Organized stations and service areas.

PROJECTS

Twitter Clone

<https://github.com/michaeldsim/twitter-clone-mern>

Full-stack web application like Twitter using the MERN stack. Created a CRUD API for the backend to handle all the data in the database using Express, front-end uses React, Redux for state management, and JWT for authentication.

A* Pathfinding Visualizer

<https://github.com/michaeldsim/Algorithms/tree/master/src/application/pathfinding>

This is a visualizer to show how the A* Pathfinding algorithms works created only in JavaFX. It shows the shortest point between two nodes around any barriers.

Discord Bot

<https://github.com/michaeldsim/cell-bot>

Discord is a popular communication platform for gamers. Developed a discord bot using Java that manages multiple discord servers. Contains many features such as music player, administration, and stats lookup. Data is stored locally using SQLite.

EDUCATION

Georgia State University

Dec 2020

Bachelor of Science, Computer Science; Cumulative GPA: 3.15