

Max Huang . Jarvis Consulting

I'm Max, a recent graduate of the University of Toronto Mississauga with a bachelor's degree in computer science. I am currently a software developer at Jarvis Consulting Group, where I have gained experience working in an Agile environment, developing various projects using technologies such as Java, PostgreSQL, Bash, Maven, Docker, and Git. I also have experience using other technologies for academic projects, including React, Node.js, MongoDB, and Python. My passion for computer science, which began in a high school introductory class, stems from my love of overcoming difficult problems with creative solutions. I am looking for an opportunity to apply and grow my skill-set in the software development or full-stack industry.

Skills

Proficient: Java, Python, C, C++, Linux/Bash, RDBMS/SQL, Agile/Scrum, Git

Competent: Javascript, React, Node.js, Express.js, Docker, LaTeX

Familiar: Haskell, MongoDB, HTML, CSS, AngularJS

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_end_MaximilianHuang

Cluster Monitor [GitHub]: Designed an application in Bash and SQL used to monitor system specifications and performance on a cluster network. Each system in the network gathers hardware specifications and resource usage using Bash scripts, which are then submitted to a PostgreSQL database, hosted on a single system running a Postgres Docker container. The application is scheduled to run regularly on each system using crontab.

Core Java Apps [GitHub]:

- **Twitter App:** Developed a CLI application in Java used to perform CRD operations on Tweets. Using the arguments provided from the command-line, the application submits the information to the Twitter REST API. The OAuth library was used to authenticate the app to a user account, Maven for building and dependency management.
- **JDBC App:** Developed an application in Java using the JDBC API to perform CRUD operations on a Postgres database. App implements DAO pattern to allow for abstraction of database operations. App built using Maven.
- **Grep App:** Developed an application in Java emulating the Linux grep utility. Using Java regex libraries, app searches through files in a specified directory and all of its sub-directories recursively, listing lines that match the regular expression provided. App built using Maven, and containerized using Docker.

Springboot App [GitHub]: Not Started

Python Data Analytics [GitHub]: Not Started

Hadoop [GitHub]: Not Started

Spark [GitHub]: Not Started

Cloud/DevOps [GitHub]: Not Started

Highlighted Projects

Helping Hands [GitHub]: Created a full-stack web application as part of a team of 4. Users can register accounts and create “request” posts that can be fulfilled by other users. Front-end was developed using React, and back-end using Node.js, and MongoDB. REST API was developed using Express.js supporting CRUD operations on posts and user accounts. Was hosted online using Heroku.

Professional Experiences

Software Developer, Jarvis (November 2022 - present): Developed various applications for uses such as system monitoring, finding certain strings in files, and post/view/delete Tweets. Used technologies including Java, Bash, SQL, Docker, Maven, Linux, and Git. Worked in a Scrum/Agile environment, with daily stand ups and bi-weekly sprint planning meetings.

Utility, Nothing Bundt Cakes (November 2021 - April 2022): Worked with baking team on daily baking operations. Maintained a clean and hygienic workplace. Cleaned, sanitized, and organized equipment for baking and frosting teams. Helped manage and organize stock and supplies.

Education

University of Toronto Mississauga (2017-2022), Honours Bachelor of Science, Computer Science - University of Toronto Scholar - UTM Entrance Award - GPA: 3.2/4.0

Miscellaneous

- Cooking
- Competitive gaming
- Music