

# Michael Uzoegwu . Jarvis Consulting

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## Skills

**Proficient:** JavaScript / TypeScript, Angular, React, Python, HTML/CSS, Node.js, Git

**Competent:** PostgreSQL, Firebase, AWS, C++, Express.js, MongoDB, Java, Linux/Bash

**Familiar:** C#, Qt, Selenium, WebPack, OpenGL, Pandas, Numpy

## Jarvis Projects

Project source code: [https://github.com/jarviscanada/jarvis\\_data\\_eng\\_MichaelUzoegwu](https://github.com/jarviscanada/jarvis_data_eng_MichaelUzoegwu)

**Cluster Monitor** [GitHub]: Enabled the Linux Cluster Administration (LCA) team to collect and store hardware specifications and system usage data of a Rocky Linux cluster of 10 nodes. This data was gathered using Bash scripts and persisted in a PostgreSQL database running within a Docker container.

## Highlighted Projects

**MyResume** [GitHub]: Developed an online resume builder using React and Google Firebase to facilitate the creation of my resumes as PDFs. The idea was born out of a need to ensure visual consistency of my customized resume template across content-differing versions. Firebase was used to implement user authentication and resume storage, allowing users to manage multiple versions of their resumes. I used this application exclusively for over two years to create resumes, which contributed to securing multiple internships.

**Last Resort:** Worked as part of a team of three on a 2D platformer-shooter game built with OpenGL and C++, where my main responsibilities were centered around interactions between game entities and the environment. I developed terrain rendering from level data stored in CSV files and implemented an efficient method for detecting collisions between game entities and terrain. Additionally, I applied Dijkstra's pathfinding algorithm to determine optimal movement for enemy AI agents.

**MulBot** [GitHub]: Created an X (formerly Twitter) bot with Python to tweet team lineups of the Manchester United soccer team in a more user-friendly format. The bot retrieves game start times and team lineups, ordered by player positions (instead of shirt numbers), through the API-Football. The start times are used to dynamically set a cron job that triggers the bot to tweet. The application was deployed on a remote Linux machine via DigitalOcean.

## Professional Experiences

**Software Developer, Jarvis (2024-Present):** Donec mattis sed justo et sagittis. Vestibulum lacinia nulla ipsum. Curabitur imperdiet nibh vitae leo lacinia laoreet. Nullam accumsan, lectus ut maximus ultricies, augue justo egestas mi, vel bibendum felis.

**Software Engineer Intern, SurveyMonkey (2022-2022):** Donec mattis sed justo et sagittis. Vestibulum lacinia nulla ipsum. Curabitur imperdiet nibh vitae leo lacinia laoreet. Nullam accumsan, lectus ut maximus ultricies, augue justo egestas mi, vel bibendum felis.

**Software QA Intern, ABB (2022-2022):** Donec mattis sed justo et sagittis. Vestibulum lacinia nulla ipsum. Curabitur imperdiet nibh vitae leo lacinia laoreet. Nullam accumsan, lectus ut maximus ultricies, augue justo egestas mi, vel bibendum felis.

**Software Developer Intern, UKG (2021-2021):** Donec mattis sed justo et sagittis. Vestibulum lacinia nulla ipsum. Curabitur imperdiet nibh vitae leo lacinia laoreet. Nullam accumsan, lectus ut maximus ultricies, augue justo egestas mi, vel bibendum felis.

**Software Developer Intern, Autodesk (2021-2021):** Donec mattis sed justo et sagittis. Vestibulum lacinia nulla ipsum. Curabitur imperdiet nibh vitae leo lacinia laoreet. Nullam accumsan, lectus ut maximus ultricies, augue justo egestas mi, vel bibendum felis.

## Education

**Carleton University (2018-2023)**, Bachelor of Computer Science, Computer Science - Carleton University Entrance Scholarship - Dean's List (2019) - GPA: 3.37/4.0

**George Brown College (2024-Present)**, Certificate, Practical AI and Machine Learning

## Miscellaneous

- AWS Certified Solutions Architect Associate
- Soccer Fan
- Sci-fi Enthusiast