

# Olivia Bryant . Jarvis Consulting

As a recent graduate with a Bachelor of Computing in Computer Science, I am a passionate software developer specializing in building full-stack web apps and developing real-time chatroom applications. With a proven track record of successful projects, I have gained valuable experience through my involvement in various frameworks, school projects, personal endeavors, and professional placements. From utilizing technologies like Python, JavaScript, and Java to leveraging frameworks like Flask, Express.js, and Angular, I have consistently delivered high-quality solutions. Let's collaborate and bring our ideas to life, creating something amazing together!

## Skills

**Proficient:** HTML, CSS, JavaScript, Python, C, Bootstrap, SQL, VBA, Linux/Bash, RDBMS/SQL, Agile/Scrum, Microsoft Office, Troubleshooting

**Competent:** Java, Node.js, Express.js, Ember.js, Cross-Origin Resource Sharing (CORS), Git, NumPy, Pandas, Matplotlib, MongoDB, Geomapping, Collaboration, Communication

**Familiar:** Docker, jQuery, Angular, Flask, Socket.io, Leaflet.js, AJAX

## Jarvis Projects

Project source code: [https://github.com/Jarvis-Consulting-Group/jarvis\\_data\\_eng\\_Olivia](https://github.com/Jarvis-Consulting-Group/jarvis_data_eng_Olivia)

**Cluster Monitor** [GitHub]: I developed a Linux Cluster Monitoring Agent with RDBMS and SQL, showcasing my skills in system monitoring, database management, and SQL optimization. This application efficiently collects real-time metrics from a Linux cluster, stores them in an RDBMS, and allows for insightful analysis and reporting. I honed my expertise in Linux system administration, data modeling, and query optimization. This project emphasizes scalability, fault tolerance, and security, providing a valuable tool for managing and optimizing large-scale cluster environments.

**Core Java Apps** [GitHub]:

- **Twitter App:** I developed a powerful Twitter application that showcases my skills in API integration, real-time data handling, and user interface design. This app seamlessly interacts with the Twitter API, enabling users to search tweets, display real-time streams, post tweets, and interact with user profiles. By leveraging the power of Spring framework, I enhanced the app's scalability, modularity, and maintainability. With a strong focus on user experience, I created a user-friendly interface with real-time updates and customizable display options.
- **JDBC App:** I built a Java JDBC application that allows seamless interaction with databases. This application enables users to perform CRUD operations and efficiently retrieve specific data. Throughout the project, I deepened my knowledge of SQL queries, database schema design, and data modeling. I paid special attention to the app's structure, ensuring clean code and optimal performance for handling large datasets.
- **Grep App:** By reimplementing the traditional grep functionality using Java, I created an application. This app highlights my skills in file handling, text parsing, and pattern matching. It efficiently searches for specific patterns within files and provides users with valuable insights. Leveraging Java's file I/O capabilities and multi-threading techniques, the app offers fast execution and allows users to customize search options according to their needs.

## Highlighted Projects

**Middleware CRUD MongoDB Database Web App** [GitHub]: Developed a robust and scalable full-stack web application utilizing MongoDB, HTML, CSS, JavaScript, and Express.js. Implemented CRUD functionality to seamlessly create, retrieve, update, and delete items from the MongoDB database. Leveraged AJAX and jQuery to optimize data processing, while ensuring a smooth user experience through a user-friendly interface and responsive design created with Bootstrap and CSS.

**Real-Time Chatroom Web App:** Designed and developed a dynamic real-time chatroom web application using HTML, CSS, JavaScript, and Socket.io. The application offers users a simple yet intuitive interface with a login prompt, facilitating seamless interaction between participants. By integrating Socket.io, the app ensures efficient and instantaneous messaging in real-time, enhancing the overall chat experience.

**IP Geolocation Web App** [GitHub]: Created an interactive web application for IP geolocation using a comprehensive tech stack including HTML, CSS, JavaScript, Bootstrap, OpenStreetMap, Leaflet, and the ipFind API. Demonstrated expertise in front-end web development by integrating various APIs and effectively visualizing geolocation data. The

web app offers an intuitive user interface combined with interactive maps, providing accurate and engaging geolocation information.

## Professional Experiences

**Software Developer, Jarvis (2020-present):** As a Software Developer at Jarvis, I am actively involved in diverse projects aimed at refining my skills and becoming a proficient software developer. Focusing on web development, database management, and IT support, I am delivering high-quality solutions that meet client requirements. Working at Jarvis Consulting has provided me with invaluable hands-on experience and the opportunity to contribute to real-world projects, fostering my growth as a software professional.

**IT Specialist Intern, AstraZeneca Canada (2020):** During my time as an IT Specialist Intern at AstraZeneca Canada, I gained practical expertise in managing the design, development, and content of the company's IT Intranet. By creating engaging online graphic designs, I enhanced the visual appeal and user experience of the intranet. I played a crucial role in improving self-serve support by transferring over 100 translated articles using ServiceNow, facilitating accessible information for users. Employing Excel for data analysis, I presented employee mobile data in an easily understandable format, contributing to cost savings. Actively participating in project planning and execution, I collaborated with team members to successfully accomplish various IT initiatives.

**Founder and Swimming Instructor, Swimming 2.0 (2018-2022):** As the Founder of Swimming 2.0, I established and operated a thriving swimming lessons business over four summers. With up to 100 students each year, I provided personalized swimming instruction tailored to individuals' skill levels. Beyond teaching, I successfully managed all aspects of the business, including marketing, scheduling, and customer service. By hiring and supervising employees, I optimized operations and ensured efficient business growth. Developing comprehensive lesson plans, I created a safe and supportive learning environment for children with varying skill levels. Leveraging technology tools such as scheduling software and online payment systems, I streamlined operations and enhanced the overall customer experience, cementing Swimming 2.0 as a reputable and customer-focused brand.

## Education

**University of Guelph (2018-2022),** Bachelor of Computing, Computer Science

**University of Toronto (2023),** Data Analytics Bootcamp, Continuing Education

## Miscellaneous

- Swimming Instructor
- Competitive Swimming, 2014-2017
- Volunteer, Mayor's Youth Action Team, King Township, 2015
- I enjoy reading mystery, fantasy, romance, and thriller books
- I enjoy swimming and playing soccer