

Jean Baptiste Merville

+14379871150 jb.merville@gmail.com jmerce.com linkedin.com/in/jbmerville

Professional Experience

Amazon, Software Engineer Intern

05/2020 – 09/2020

- Improved searching capabilities of subscription products by creating an attribute based filter system, increasing the searchable attributes from 3 to 15 and reducing the load times by 50%.
- Designed infrastructure consisting of a two stages pipeline to support Amazon ElasticSearch Service. Deployed and managed cloud resources through AWS CDK.
- Implemented two AREST endpoints to search and prefetch data from an ElasticSearch Cluster and built a modular table displaying 20+ subscription product attributes represented by visual components.

York University, Teaching Assistant

01/2020 – 04/2020

- Lead weekly practical labs of 15+ undergraduate Computer Science students, teaching Object-Oriented Programming for mobile application development.
- Graded student project and hosted office hours to answer questions regarding the material.

Srvic, Full Stack Developer

09/2019 – 04/2020

- Contributed to the development of a mobile and web application giving customers an interface to book local services.
- Authored 10+ production-level features, including introduction screens to new users post sign-up and a confirmation booking screen.
- Produced internal documentation to explain Git workflow and JavaScript concepts.

Education

York University, Bachelor of Science in Computer Science

01/2017 – 04/2021

- Major GPA: 3.8/4.
- Awarded on the Chair's Honor Roll 2018-2019.

Projects

Sorting Visualizer, Web App [↗](#)

- Integrated Material UI, TypeScript and React to visualize the steps taken by common sorting algorithms.
- Implemented Merge Sort, Heap Sort, Quick Sort, Bubble Sort, Insertion Sort, and Selection Sort.

CS bot, Messenger bot [↗](#)

- Developed and designed a bot that matches people looking to build projects together, using NodeJS.
- Utilized a MongoDB database to store information about users to support matching.

Path Finder, Web App [↗](#)

- Built an interactive visualization platform to represent popular search algorithms on a grid, using React.
- Designed 2 algorithms to generate a maze using recursive functions.

Skills

Programming Languages

JavaScript, TypeScript, Java, Python, SQL, C, C++, PHP, HTML, CSS

Technologies

AWS, Git, React, React Native, Redux, Gatsby, ElasticSearch, MongoDB, Docker, Postman

Certifications

AWS Cloud Practitioner