Brandon Chan

647-868-3680 • Brandonchan.bnc@gmail.com • Brampton, Ontario • <u>LinkedIn</u> • <u>Github</u>

EDUCATION

York University   **Graduated June 2021**
B.Eng, Computer Engineering   Toronto, Canada

PROJECTS

NuChat – Chat Web Application   May 2021 – June 2021
Project
- Created a real-time chat web application for users to send text-based messages made in **React.js.**
- Developed **Firebase** NoSQL database to store and update all messages sent and received by all users in real-time.
- Implemented user ability to create and delete chatrooms with corresponding names and descriptions.
- Implemented login system that uses Google credentials for authentication.

MedMemo – Hospital Communication System   Sept 2020 – Apr 2021
Course Project
- Created a web-based communication application for healthcare workers in hospitals to replace terminal stations for organizing patient information.
- Designed Front-end elements in Figma and developed in **React.js.**
- Constructed and designed **MySQL** relational database to store all data in the system**.**
- Developed Back-end RESTful API using **Express.js** and **Node.js** to communicate with SQL database.
- Developed a real-time communication feature for nurses and physicians with NoSQL database hosted on **Firebase.**
- Implemented security measures using Bcrypt for password hashing.

Express Parking – Traffic Ticketing System   Sept 2020 – Dec 2020
Course Project
- Developed a software solution for parking enforcers to relinquish the need for physical parking meters.
- Designed UI Front-end pages using Figma and developed in **React.js.**
- Constructed Back-end architecture with **Node.js** and **Express.js** to communicate with **SQL relational database**.
- Documented the process using a System Requirement Specification (SRS) document that outlines the targeted users, functional requirements, and performance expectations.

WORK EXPERIENCE

IT Technician   April 2019 – September 2019
Score Promotions
- Provided real-time technical support for all hardware and software related installation and troubleshooting for client network, workstations, and servers.
- Maintain detailed documentation of client communications and problem resolution in ticketing system.
- Managed windows server active directory and exchange server

TECHNOLOGIES AND LANGUAGES

- Languages: Java | JavaScript | React.js | C | HTML | CSS | Node.js | MATLAB | SQL
- Technologies: Mongoose | MongoDB | Firebase | Express.js | Git | Figma | Jira | Postman