Brandon Chan

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EDUCATION

- **York University** — Toronto, ON
  Bachelor of Engineering (Honors) - Computer Engineering — Sept 2015 - June 2021

SKILLS SUMMARY

- Languages: Python, JavaScript, SQL, C, C#, JAVA, Bash
- Frameworks: Flask, React, Vue, .NET, NodeJS, Express, MERN
- Tools: Docker, GIT, PostgreSQL, MySQL, Firebase, SQLAlchemy
- Platforms: Linux, Windows, AWS

EXPERIENCE

- **Mely.ai** — Montreal, QC
  Software Engineer (Internship) — Oct 2021 - Apr 2022
  - Worked with 4 engineers to create an application for smart document extraction improving data throughput by 50%
  - Developed functionality that allowed users to condense extracted data into a single file and communicate with 20+ suppliers
  - Constructed web pages and components in Vue to ensure front-end responsiveness with 10+ different screen sizes
  - Built testing environment and constructed bug reports to guarantee consistent stability across 100+ users
  - Optimized back-end logic for API endpoints in Python Flask and .NET to improve search functionalities by 10%
  - Implemented data indexing using AWS CloudSearch to improve data retrieval by 30%
  - Improved PostgreSQL database schema to maximize query efficiency by 20%
  - Reduced on-boarding process by creating documentation and instructional videos for future interns

- **Score Promotions** — Toronto, ON
  IT Technician (Internship) — Apr 2019 - Sept 2019
  - Provided real-time technical support for all hardware and software related issues to ensure network stability across 70+ users
  - Documented troubleshooting procedures for client network, workstations and servers reducing duplicate issues by 40%
  - Maintained and updated SQL database to ensure data accuracy across 20+ clients
  - Performed routine system updates to ensure network security and stability

PROJECTS

- **MedMemo** - Hospital Communication System (React, NodeJS, MySQL, Firebase, SCSS): Web application for improving data entry throughput for patient information and establishing communication channels between healthcare professionals

- **Express Parking** - Digitized Parking Tracker (React NodeJS, MySQL): Web application that automates public parking enforcement and reduces the need for physical parking meters

- **NuChat** - Chatroom Application (React, Firebase): Application that allows users to send and receive and create separate rooms

- **LRU** - ASIC Circuit (Cadence Virtuoso, Innovus, Design Compiler, Verilog, SystemVerilog): Outlined and developed at the transistor level an ASIC circuit that simulates the Least Recently Used Algorithm