

JASMEET BRAR

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SKILLS

Programming Languages:	Python, Java, C/C++, HTML, CSS, PHP, JavaScript, TypeScript
Libraries and Frameworks:	ReactJS, VueJS, NodeJS, Bootstrap, Ant Design, Styled Components
Databases:	MySQL, Postgres, MongoDB, DynamoDB
Other Technologies:	Git, GDB, AWS, Docker, Laravel, CMake, CTest
Soft Skills:	Agile, Scrum, Object-Oriented Programming, Design Patterns

EXPERIENCE

FINNEO – Mississauga, Canada

Software Developer

Jun 2019 – Aug 2019

- Coordinated with the CEO and the software team on determining the best frameworks to develop a new website in a given timeframe that is extensible and maintainable
- Enhanced the firm's marketability by modernizing the firm's website and porting over features using ReactJS
- Adapted the company's aesthetics into the site's design by using Ant Design Framework and Styled Components
- Made the site more informative by adding Google Maps components using the React Google Maps API

AMHIL ENTERPRISES – Mississauga, Canada

Systems Analyst

May 2018 – Aug 2018

- Improved the IT team's productivity by automating daily tasks in Outlook using VBA and VBScript
- Coordinated with the systems programmer in generating queries for MS SQL using T-SQL
- Sustained business operations by diagnosing and troubleshooting software or hardware issues that other workers face with their PC
- Reported any new issues in the team's database and provided procedures on how to resolve those issues

PROJECTS

Simple-C Compiler

- Currently working on a compiler that can compile a simplified version of C to Assembly or x86-64
- The source files are written in C++ and it uses CMake as a build system
- Test-driven development is currently being used where GitHub Actions is used to automate testing done with CTest

Simple Toy Language Compiler

- Worked in a team of four to develop a compiler that can compile a simple programming language into instructions that a VM can execute
- The project was primarily done using Java and Apache Ant build system, while JFlex was used as a lexical analyser, and Java CUP was used as a parser

AWS r/Place Project

- Worked in a team to recreate an online canvas that would be deployed on AWS by implementing an architecture that is responsive and scalable
- The server code was done using NodeJS and a Dockerfile was created to have scalable containers
- AWS technologies such as ECS, Redis, and DynamoDB ensured that the architecture is scalable, data is replicated and is safe, and that the user experience is uncompromised

EDUCATION

UNIVERSITY OF TORONTO

Graduated: Jun 2020

Honours Bachelor of Science with High Distinction, Computer Science Specialist, Math Minor

Cumulative GPA: 3.63

Relevant Courses: Algorithms, Operating Systems, Scalable Computing, Web Programming, Databases, Machine Learning, Neural Networks, Natural Language Processing