Manas Thaker

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SKILLS

- **Languages:** Python, C++, SQL, C#, Java, TypeScript, JavaScript, Scheme
- **Tools/Technologies:** Git, Angular, Node.js, Docker, ASP.NET Core MVC

EXPERIENCE

- **BDO Canada LLP** — Mississauga, ON
  Full-Stack Microsoft Developer — *Sept 2019 - Dec 2019*
  - Worked on an Angular web application to allow upper management to assign, manage and track employees working on projects within the company utilizing Microsoft Technologies including C#, ASP.NET Core MVC, Entity Framework, and SQL Server
  - Built data validators for all form data within the application to preserve data integrity
  - Wrote APIs and designed database schemas to assist with the management of project budgets and revenue generated by each employee of the company
  - Populated application dashboard with dynamic visuals and charts utilizing the Google Chart API
  - Constructed a C# program to automate the creation of PowerPoint slides to present to clients and reduced presentation preparation time by 50%

- **Canadian Tire** — Toronto, ON
  Full-Stack Developer — *Jan 2019 - Apr 2019*
  - Developed and maintained a web store mapping application that provides store dealers with information including sales of products within every aisle of the store using Flask, MySQL, and JavaScript
  - Implemented scripts in Python to automate the data manipulation process and reduced store mapping time from 16 hours to 4 hours per store
  - Designed the production database to manage user authentication and sensitive sales data for over 500 Canadian Tire Stores

- **Kenna** — Mississauga, ON
  Web Application Developer — *May 2018 - Aug 2018*
  - Maintained and optimized stored procedures, functions and scripts in SQL Server, reducing latency by 60%
  - Wrote backend agents using LotusScript and SQL to create tables, extract data, and perform scheduled procedures
  - Updated code, resolved bugs, and added new features on applications developed for BASF Canada and BASF Australia using HTML, CSS, and JavaScript

PROJECTS

- **C (Subset) Compiler** — C++
  - Wrote a compiler to convert a subset of the C programming language to MIPS Assembly code using LR(1)-Parsing

- **Focus** — MongoDB, Express.js, Angular, Node.js
  - Produced a time management application with user authentication that monitors time spent by the user during work periods and break periods

- **Inventory Watch** — Python, Flask, React
  - Collaborated with a partner to develop an application that watches to see if a product found at a given URL changes from out of stock to in stock and notifies the user
  - Implemented multiprocessing to support running multiple instances of product availability tracking

EDUCATION

Bachelor of Computer Science *University of Waterloo* — 2017-2022 (expected)
Relevant Courses: Algorithms, Object Oriented Programming, Compilers, Functional Programming