

James M. Robertson

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EDUCATION

Bachelor of Engineering Science, Software Engineering

September 2016 – April 2020

Western University, London, Ontario

ACADEMIC PROJECTS

Canadian Engineering Accreditation Management System

September 2018 – April 2019

Software Engineering Design course, Western University

- Developed system and features alongside other teams simulating entire software lifecycle
- Gained experience working in an Agile Scrum software development style
- Took lead within team to lead meetings, and plan responsible tasks for specific sprints
- Worked with Ember.js framework for frontend, Node Express server, and MongoDB on backend

Developed Angular Web Application

November 2018

Web Technologies course, Western University

- Used full implementation of the M.E.A.N stack (MongoDB, Express.js, Angular, Node.js)
- Effectively learned and harnessed Typescript for writing Angular 7.0 front end
- Deployed RESTful Node server API to handle client-side interactions with Mongo backend
- Created online web store with user login, basic authorization, and security measures

Developed Relational Database Schema with Web Interface

November 2018

Database Management Systems course, Western University

- Worked alongside a team in an agile work environment, employing paired programming
- Developed a SQL database schema to build relations for a MySQL database connection
- Built interface that connected to MySQL database through Node Express server with RESTful API
- Designed advanced queries using SQL to analyze and pull data from the database

TECHNICAL SKILLS

- Proficient in C++, C#, Java, Python, and SQL
- Extensive knowledge of Typescript, HTML, CSS, and JavaScript
- Utilizes git to structure and manage progression of projects and identify problems
- Has large knowledge and understanding of data structures, algorithms, and design architectures
- Can effectively display and communicate ideas, assisted by various UML diagrams

WORKPLACE SKILLS

- Enjoys working alongside a team, receiving and giving help to team members
- Driven to solve problems, actively seeks to learn new ways to utilize technology effectively and create better work by reflecting on mistakes