THARMIGA LOGANATHAN

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EDUCATION

Western University
M.Eng. in Software Engineering 2021

Ivey Business School
Honours Business Administration 2020

Received $30,000 Linamar Scholarship for Women in Engineering and Business

Western University
B.E.Sc. in Software Engineering 2020

EXPERIENCE

Ivey Business School – Learning Experience Designer
August 2020 – Current

• Working with the school's learning management systems to transition various HBA and MSc courses to online learning in response to COVID-19

Ivey Business School – Application Developer
October 2019 – Current

HTML/CSS, JavaScript, Python, Django, SQL, Microsoft Azure

• **Sole developer** of a cap and trade emissions trading web simulation; used as a teaching point in a core course

• Promotes experiential learning with a live simulation, real-time trading, user management functionality, and analytics

• Commended for depth of interactivity and effectiveness as a remote learning activity for students during COVID-19

RezNet – Technical Consultant
August 2017 – April 2018

• **Diagnosed, researched and resolved** connection issues while tracking problems on the company's ticketing system; diagnoses led to multiple access points being re-serviced

• Built client-facing skills through **troubleshooting** and **providing technical assistance** to customers subscribed to the university's Internet Service Provider

IBM – Bluemix Project Developer
May 2017 – August 2017

HTML/CSS, JavaScript, AngularJS, NodeJS, MongoDB

• Developed an **internationally deployed web application** to analyze and predict future utilization of IBM staff in the Bluemix department

• Worked in collaboration with development and management teams across North America to **create software that is tightly integrated** with existing infrastructure

• **Won 1st place** for developing a management application prototype for use by the IBM Employee Charitable Fund and **commended by the CFO** of IBM Canada

PROJECTS

Learn more about my projects on my website!

Forestcasting
HTML/CSS, React, Python, Scikit-learn, NodeJS, MongoDB, Amazon AWS

• Forest fire prediction tool powered by **machine learning and data analytics**; used to predict (1) forest fire risk, and (2) severity of potential damage

• **Won 1st place** in a province-wide competition (OSECPC) for final year capstone projects

Self Start
HTML/CSS, Angular, ExpressJS, NodeJS, MongoDB

• Web application for a local physiotherapy clinic **bringing treatment online**

• Complete with **secure login/payment**, appointment booking, instant messaging, and treatment plan management

VideoSync
Java, JavaFX

• Allows groups of remote users to watch their favourite movies in real-time together

• **Multithreaded** Java application with a **chat feature** and a modern **GUI interface** for synchronous video playback

Interactive Astronomy
HTML/CSS, Angular, ExpressJS, NodeJS, MongoDB

• **Social network** that leverage's NASA's Image API to allow users to browse and create image collections

• Login securely, **create collections, like collections**, browse user profiles and more!

ACTIVITIES

Western Engineering Competition – Programming Lead
September 2018 – April 2019

• Independently **assembled a competition package** comprised of a programming challenge and testing suite aimed at Western Engineering undergraduate students

• **Co-ordinated planning** among other team leads and judges to successfully run the competition

Western Founders Network – Education Executive
September 2015 – April 2016

• Helped interested students at Western learn basic coding skills by **organizing coding workshops** throughout the year

• Presented a coding workshop to 30 young women in high school at the STEMPOSIUM conference in March 2016

• **Taught** an Introduction to HTML and CSS workshop to Western students and assisted at other coding workshops including a Swift workshop