

THARMIGA LOGANATHAN

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EDUCATION

Western University

M.Eng. in Software Engineering | June 2021 Candidate

Ivey Business School

Honors Business Administration | Graduated June 2020

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

Western University

B.E.Sc. in Software Engineering | Graduated June 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, MySQL, 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

- Troubleshooted issues and provided technical assistance to customers subscribed to the university's internet service provider
- Diagnosed, researched and resolved connection issues while tracking problems on the company's ticketing system; diagnoses led to multiple access points being reservised

IBM – Bluemix Project Developer

May 2017 – August 2017

HTML/CSS, JavaScript, AngularJS, Node.js, MongoDB

- Developed an internationally deployed web application to analyze and project future utilization of IBM staff in the Bluemix department
- Created software that is tightly integrated with existing infrastructure by working in collaboration with development and management teams across North America
- Won 1st place and commended by the CFO of IBM Canada for developing a management application prototype for use by the IBM Employee Charitable Fund

PROJECTS

Learn more about my projects on my website!

Forestcasting

HTML/CSS, React, Python, Scikit-learn, Node.js, 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, Express.js, Node.js, MongoDB

- Web application for a local physiotherapy clinic looking to bring treatment online
- Features include secure login/payment, appointment booking, instant messaging and treatment plan management

VideoSync

Java, JavaFX

- Allows groups of remote users to watch their favorite movies together in real time
- Multithreaded Java application with a chat feature and a modern GUI interface for synchronous video playback

Interactive Astronomy

HTML/CSS, Angular, Express.js, Node.js, MongoDB

- Social network that leverages 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 test suite aimed at Western Engineering undergraduate students
- Coordinated planning among other team leads and judges to successfully run the competition

Western Founders Network – Education Executive

September 2015 – April 2016

- Organized coding workshops to help interested students at Western develop basic coding skills
- 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 workshop on Swift