

Donnatella M. DeMarco

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Education

Bachelor of Computer Science Honours Co-op

Sep 2015-Oct 2019

University of Windsor, Windsor, ON

Skills

- Fluent in Java, C#, C++, Python, MATLAB, PowerShell, HTML, CSS, JavaScript, PHP, MySQL, XAML, Bootstrap, React, and Angular.JS
- Proficient with Git, Visual Studio, Active Directory, Eclipse, Oracle, Windows OS, and SharePoint
- Fluent in French and Romanian

Employment Experience

Statistics Canada (Full-Stack Developer Co-op), Ottawa, ON

Jan 2018-Aug 2018

- Developed forms using a .NET framework, C#, XAML, and MVC architecture for a desktop application used by the Trade Division to update and modify values of Canada's imports/exports
- Designed and updated unit tests to ensure correctness of various forms on a desktop application
- Created and modified databases, scripts in MySQL, and complex queries for data analysis by a team of 15 employees from the Trade Division

Pernod Ricard (IT Specialist Co-op / Part-time), Windsor, ON

May 2017-Dec 2017

- Wrote scripts in PowerShell to automate the production of daily Active Directory reports in Excel, resulting in reports that took over an hour to create manually to be completed within 5 minutes
- Created technical documentation of company software, and identified and resolved 3 major issues in the organizational database
- Retrieved and updated upwards of 10,000 records daily in Active Directory, relating to company users and computers, ensuring a more organized database for users to navigate through

Projects

Projects and demos can be found in further detail on my website: demarcod.github.io

CIDC Medical Business Website

Apr 2020-Present

- Designing a website for a new medical business, including an appointment scheduling application
- Implemented using HTML, CSS, JavaScript, Bootstrap, and PHP

Piano Project

Jan 2019-Sep 2019

- Identified musical variations in classical piano performances using computer software and concepts
- Developed MusicXML scripts from audio files, resulting in an efficient way to analyze sheet music using Python
- Researched and documented how neural networks could further advance the project's objectives

"Astro-Pizza" Web Development Project

Jan 2019-Apr 2019

- Collaborated as a team in a web development project for a pizza ordering website
- Used HTML, CSS, PHP, and JavaScript to create order page that allowed users to interactively select toppings and preferences

Single-Player Gaming Application Project

Sep 2018-Dec 2018

- Created a single-player gaming application with a secure login page using Java/JavaFX in Eclipse
- Included implementations of Tic-Tac-Toe, Hangman, and other unique virtual games