Dan Robertson

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WORK EXPERIENCE

Catastrophe Modeling Application Developer, Validus Research Inc., Waterloo, ON
September 2016 – December 2016
- Learned **Python**, **SQL**, and how to utilize a **REST** API on the fly while developing various features for Validus' proprietary Catastrophe Modeling software
  - Created a summary page with **AngularJS** that pulled data, performed some statistical analysis, and generated graphs
  - Implemented a backend feature that took the same data and exported it to an Excel Spreadsheet for easy client use
- Consulted and collaborated with team members, marketing, and support to develop a user-friendly design

QA Analyst and Software Developer, Microdea Inc., Markham, ON
January 2016 – April 2016
- Designed and solely developed the document annotation feature, the first major milestone, for the company's flagship web application using **AngularJS** & **TypeScript**
  - Evaluated and selected a canvas library to support the application
- Implemented an adapter to maintain cross-compatibility between new **JSON** data models and legacy XML data models using **C#**
- Self-taught testing methodologies and best practices to create over 500 unit tests with **NUnit**, **QUnit**, **dotCover**, and **Istanbul**

Infrastructure Support Technician, Shared Services Canada, Toronto, ON
May 2015 – August 2015
- Performed a DNS clean up and enabled scavenging for automated clean up
- Prepared new terminal servers for deployment within the company
- Performed administrative tasks such as creating new user accounts

PROJECTS

Personal Website, *www.danrobertson.ca*
April 2016 – present
- Self-taught **HTML/CSS**, **JavaScript**, **Angular2**, and **LESS** to develop a portfolio website
- Actively learning design principles and techniques to incorporate into creating a responsive website

Compiler, DTU 02247 – Compiler Construction
February – April 2017
- Used **C++**, **Clang**, and **LLVM** to design a compiler that performed analysis for null pointers in simple code, if statements, and loops

LEADERSHIP

- VP Communications of the Waterloo Engineering Society, August 2016 – present
- Engineering Orientation Week Leader, September 2015, 2016, 2017
- Engineering Ambassador Manager, September – December 2015
- Former lifeguard and YMCA instructor, September 2013 – September 2014

INTERESTS

- Loves languages and seeing the world; Exchange to Denmark, January – June 2017
- Blocks cross and hits middle with 10+ years of volleyball experience
- Played lead and supporting roles in multiple theatre productions

SKILLS

Languages
HTML/CSS • LESS • JavaScript
TypeScript • Python • SQL
C • C# • C++ • Java
Assembly • Matlab

Frameworks
AngularJS • Angular 2.0
Flask • NUnit • QUnit

Libraries
FabricJS • jQuery • Bootstrap

Environments
Windows • OSX • Ubuntu
Android

Version Control
Git • SVN

AWARDS

UW International Experience Award
University of Waterloo, 2017

UW Global Experience Award
University of Waterloo, 2017

Schulich Leader Nominee
The Schulich Foundation, 2015

The Owen Sound Brick Brothers Award
Owen Sound, 2015

Presidents Scholarship
University of Waterloo, 2015