Phillip Pavlich

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Highlights of Qualifications

- Experience in web development such as HTML, CSS, JavaScript, React JS, Angular JS, JQuery
- Two years of internship experience for NexgenRx in a software development and testing position, hired back to perform remote work during school year (2017-2018)
- Exceptional project management and team leadership skills developed at NexgenRx
- Excellent problem solving and information analysis skills
- Strong written and communication skills
- French Immersion graduate

Education

Bachelor of Engineering and Management, Software   Expected Completion April 2020

McMaster University, Hamilton Ontario

- Currently in Level 4 of a five-year program
- Management specialization with courses in economics, marketing, finance, accounting, leadership and communication skills

Project Work

- Computation for an N-Body Particle Simulation using MPI for parallelized computations in order to simulate the movement of particles based on Newton's equations of motion. Matrix multiplication was used to determine the forces applied to every individual particle to calculate the next velocity and position on the given particle.
- My personal website using HTML, CSS and JavaScript for web development. Utilized media queries to deal with different screen sizes. Offers more information about my work, experiences and personality. (link can be found at the top of the resume)
- At DeltaHacks4, my group worked on developing an Amazon Alexa voice command. The command allowed you to send text messages to your contacts through various keywords. We also worked with StdLib to use some of their APIs for increased functionality.
- Built a password generator through a chrome extension and enhanced the security level from current solutions in the market today using standard web development programming languages
- Created a music recommendation application which uses a data set with ratings and values associated with 10 000 songs in order to provide the user with a better song choice for the user's taste in music
(This project was selected to represent the McMaster Software Engineering and Computer Science Department as one of the best projects in the class)
- Extensively coded a math library in Java to work with large matrices, multiplying them and inverting the result

Experience

Junior Technical Analyst – IT Department   September 2016 – August 2018

NexgenRx, Etobicoke ON

- Design, development, and testing of SQL scripts, including views, functions and stored procedures, to manage our system, resolve system issues and provide data for client reports
- Developing reports using SQL Server Reporting Services(SSRS) and Integration Services (SSIS)
- Creating and maintaining requirements specification and design documents
- Creating and maintaining inventory of software using SVN as a version control system and issue tracking and management software
- Performing change management tasks in the scheduled weekly maintenance window on production systems
- Implementing each of the stages of the Software Development Life Cycle (SDLC) to ensure proper software design, testing, rollback, documentation, and implementation
- Automation of manual tasks and building applications to maintain and control our system

Server, Host and Expeditor   June 2014 – September 2015

Kelsey's Restaurant, Whitby ON

- Developed effective time management skills
- Learned to work under great deals of pressure when the restaurant is busy
- Provided high quality customer service for guests
- Further developed teamwork with other servers and cook staff

Skills

Software

- Experience in web development: HTML, CSS, JavaScript, React JS, Angular JS, JQuery
- Proficient coding with Java, C++, C#, SQL, Python, vb.net, NASM, and Bash
- Experience using Microsoft Word, Excel, Powerpoint, and Matlab
- Experience working in Visual Studios and Visual Basic 6

Language

- Graduated High School as a French Immersion Student (ability to read, write and speak fluently)
- Strong communication skills obtained through the Management Program

Leadership and Extracurricular Activities

- DeltaHacks 4 Coding Competition – Amazon Alexa Command (Speech to text)   Jan 2018
- Ryerson Stupid Hacks Programming Competition   July 2017
- McMaster Programming Competition   March 2016
- Programming tutor for an intro to Python course   March 2016
- Student member of PEO and OSPE   2015 – Present
- Arduino Club - Learned to program with an Arduino and to configure   2015 – 2016
  circuits to perform specific tasks