ADAM GENCARELLI

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EDUCATION

University of Western Ontario, London, Ontario   2017

Currently in my fifth year of Software Engineering, candidate for Bachelor of Engineering Science Professional Internship.

TECHNICAL SKILLS

- Languages: Java, JavaScript, Node.js, C#, C/C++, Python, Assembly, HTML, CSS, SQL
- Frameworks: JQuery, Express, Selenium, Unity3D, Dojo, Ember.js, Vue.js, Angular.js
- Web Technologies: Git, API, HTTPS, ReST, XML, AJAX, JSON, Swagger
- Professional experience working as a software developer and QA tester in an Agile Scrum environment.
- Strong knowledge of the fundamentals in data structures, algorithms, time complexity and software design patterns.
- Highly qualified in designing and developing robust applications using both Windows and Linux operating systems.
- Proficient with relational database architectures in MySQL and non-relational database architecture in MongoDB.

ENGINEERING EXPERIENCE

IBM Canada, Markham, Ontario   May 2015 – August 2016
Software Developer Intern – IBM Business Process Manager

- Designed and maintained a system of servers dedicated to running automated regression tests against IBM Business Process Manager, increasing our testing passing rate from 60% to 95%.
- Developed new automated test cases to efficiently test new features being developed by the team, and restructured the existing framework to include data structures, efficient algorithms, and accurate coding guidelines.
- Advanced from a software testing role to a junior developer role, where I was responsible for developing and delivering new product features related to user tooling as part of the Scrum workflow of user stories.
- Actively involved in eliminating memory leaks from production code, increasing product speed and sustainability to run for at least 24 straight hours while decreasing total leak size from 4GB to approximately 10MB.

VOLUNTEER EXPERIENCE

IBM Future Blue Lead, Markham, Ontario   May 2016 – August 2016
Web Development Team Lead

- Collaborated with a team of IBM interns to develop a new Future Blue website to showcase the experiences of previous interns; included a customized blog application built into the website.
- Led a team of IBM interns to develop several new web applications; taught others with diverse backgrounds about languages such as JavaScript, Node.js, and Angular.js.
- Reported to IBM Human Resources about the progress our team was making and provided feedback from other interns.

PERSONAL PROJECTS

Resume Funnel, *IBM Watson Hack-a-thon*   July 2015
Watson is a cognitive API that provides natural language analysis. I worked with a team to create a Node.js application that provided resume ranking based on applications to a job posting. Our team placed third in this IBM wide hack-a-thon.

SeizureIO, *Hack Western*   March 2015
SeizureIO is an Android app which uses brain wave data from a Muse headset to alert a list of emergency contacts when the user may experience a seizure. The app performs mathematical analysis to attempt to detect when the user is at risk.

Reversi Board Game, *Operating Systems*   November 2014 – December 2014
Developed the two player board game Reversi where users could join a game lobby and compete. The game used a combination of Java/C to create client-server architecture, and implemented complex shortest path algorithms, semaphores.