

James Earle

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EDUCATION

BSc. (Honours) Computer Science & Economics, Concentration in Software Engineering

Brock University, St. Catharines, ON

GPA – 87%

2011 – 2016

2013 – Present

2012 – Present

November 7-8th, 2014

- Dean's Honour List, Faculty of Mathematics and Science
- Brock Returning Scholar's Award, Tier 1 & 2
- ACM – ICPC Honourable Mention

PROFESSIONAL EXPERIENCE

Microsoft Student Partner

Microsoft Canada, St. Catharines, ON

September 2014 – Present

- Improved the Microsoft presence on campus through promotional and educational technical events covering Microsoft Azure, Visual Studio mobile/desktop development, Microsoft DreamSpark, and the Imagine Cup.

Full Stack Developer

Cross Border Housing Inc., St. Catharines, ON

June 2015 – Present

- Development in a startup environment, creating a responsive website built predominantly using PHP with Laravel 5, and JavaScript with the Google Maps API, hosted on Microsoft Azure. www.crossborderhousing.com

Junior Developer

Zip Telecom Inc., Mississauga, ON

January 2016 – Present

- Primarily responsible for design and restructuring of the company website, as well as development of internal company forms and the private customer portal using HTML, CSS, JavaScript, and PHP. Contract until April 2016.

Teaching Assistant

Brock University, St. Catharines, ON

September 2014 – April 2015

- Aided Professor D. Hughes (Intro to Computer Science), and Professor X. Bai (Intermediate Microeconomics) by guiding class content with instructed tutorials twice weekly as well as grading assignments and tests.

TECHNICAL EXPERIENCE

Languages:

- Web Development: PHP with Laravel 5, HTML, CSS, JavaScript, jQuery, MySQL
- General Programming: Java, Python, C#, C/C++, Ada, Prolog, XML, XAML

Software:

- Git, Selenium Builder, Travis CI, Linux CLI, LaTeX, Twilio, Google Maps API, Visual Studio, Android SDK, NetBeans IDE, Microsoft Azure, Windows Phone 8/8.1 SDK, Sublime Text, Adobe After Effects, Adobe Photoshop

Projects:

- [CS Breakdown](#) – A YouTube series on topics in Computer Science. Coding samples provided in Java.
- [Relic](#) – Team Lead for Android/iOS app used to trade textbooks. Uses Java/XML and PHP with Laravel 5.
- [GPP](#) – Undergrad thesis on predicting stock prices using evolutionary computation. Uses Java and Python.
- [Formulize](#) – Open source PHP software for industry-level data management. Contributions via UCOSP.
- [Chess](#) – A chess engine with full AI, written in C# using a minimax tree with Alpha-Beta pruning.
- [SmokeFree](#) – Android app that uses a Pebble's accelerometers to monitor your smoking and help you quit.

OTHER EXPERIENCE

President, Executive Member

Brock University Computer Science Club

September 2013 – Present

- Organizing events for Computer Science Club members like hackathons and technical demos. Delegating tasks to other CSC executive members, managing club finances, and representing students in the department.