

ABRAHAM OMOROGBE

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WORK EXPERIENCE



Microsoft AI, Bellevue, WA

May 2018 – August 2018

Program Manager Intern on AI Core

- Worked on introducing **Deep Reinforcement Learning** capabilities to the Azure ML Python SDK

Program Manager Intern on AI and Research

May 2017 – August 2017

- Worked on customer discovery, customer analysis, feature specification for internal AI tool. introduced feature that increased search agility in the primary experimentation tool by almost 50%.
- Performed data analysis on over 1TB of logs data and formulated critical insights that have been leveraged to improve user experience on internal AI tool.
- Developed Advanced Filter feature for internal AI tool **using C# and WPF**.



IBM, Cognitive & Advanced Analytics Solutions, Toronto, ON

January 2018 – April 2018

Cognitive Software Developer Co-op/Senior Software Architect

- Took over the role of the Senior Software Architect while he was absence for a month.
- Responsibilities include modeling and designing solutions based on client's requirements and communicating with international remote teams. Worked **with Node.js, Python, IBM Cloud, Elastic Search, Postgres and SPSS**.



Power Systems IT - Information Solutions, Hydro One, Toronto, ON

May 2016 – August 2016

Engineering intern

- Created a **multi-threaded Python web crawler** to validate over 300,000 links and documents and generate detailed reports on broken links on Hydro One's intranet. Saving senior developers weeks of work.
- Developed a User Acceptance Testing web application with **Angular, Web APIs, Entity Framework, ASP.NET, MVC 5 and C#**. Improved an application's testers ability to track changes, test results and scheduled tests.



Blackberry Identity (BBID) Team, BlackBerry Limited, Ottawa, ON

May 2015 – August 2015

Software Developer Intern

- Converted BBID Selenium **Automated Testing Suite from JavaScript to Python**. Improved test setup and debugging time by over 500%, and reduced code by over 60%.
- Developed a **multi-threaded data migration and obfuscation** tool for Cassandra databases in Python. Improved a developer's ability to debug and fix consumer issues by cutting response times from 2 business days to 6 hours.



Canvas Group Canada, Toronto, ON

July 2014 - Present

Founder and Director of Software

- Developed websites for multiple using WordPress, MySQL and JS/HTML/CSS. These websites resulted in an average of 90% increase in user engagement



McMaster University, Hamilton, ON

September 2015 – Present

Teaching Assistant for Engineering Computation, Software Engineering: Binding Theory to Practice & Lean Start Up

- Instructed **Python and Java programming** labs of over 50 first & second-year engineering students, working closely with the professor and other teaching assistants to facilitate laboratory exercises.

EDUCATION



Bachelor of Software Engineering and Management Co-op

May 2019

McMaster University, Hamilton, ON

- Perennial Dean's List Student. Relevant Coursework: Data Structure & Algorithms, Concurrent Software Design & Construction, Principles of Programming Java, and Computer Architecture

RELEVANT PROJECTS

- Cryptocurrency Network (2018)**: Developing suite of web tools to enhance crypto-trading on multiple markets.
- Coursity.me V2.0 (2016)**: Web app that automatically puts student's course calendar into any device's calendar.

LANGUAGES AND TECHNOLOGIES

- Java, Python, HTML5, CSS3, JavaScript, PHP, SQL, Node.JS, JQuery, Angular JS, Selenium, C#, ASP.NET

PROFESSIONAL DEVELOPMENT



President, NSBE (National Society of Black Engineers), McMaster Chapter

April 2015 – April 2017

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