

Youssef Ibrahim

B.A.Sc in Electrical Engineering

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Skills

Python	HTML/CSS	Java	C#
C++	Matlab	JavaScript	C

Experience

Jan - Apr 2016
New York City, New York

Software Engineer, Amplify Education

- Contributed in the deprecation of 15 year old legacy applications and developed replacement solutions using Java
- Developed a plug-in framework for core reporting web applications, used by 50% of clients
- Developed an in-house JSON serializing/deserializing library for all reporting applications in Java

Sep - Dec 2014
New York City, New York

Software Engineer, Amplify Education

- Optimized the application testing process by utilizing the Selenium library
- Created and maintained Python scripts used to retrieve, analyze, and edit student data impacting a subset of Amplify users

Jan - Apr 2014
Toronto, Ontario

Technology Operations Consultant, Barrow Technology Solutions

- Developed and optimized the company website using HTML/CSS
- Created an authentication site for contractors using Bootstrap technology
- Produced products and services documents to promote mission to potential clients and partners

June - Aug 2013
Toronto, Ontario

Retail Process Analyst, Canadian Tire Inc.

- Aided in the creation of the UI design for replenishment software using IBM RPG
- Software was implemented in 200 stores, increasing employee efficiency by >300%
- Created training manual for staff within beta stores

March - Aug 2013
Hamilton, Ontario

Co-Founder & Manager of Operations, Thru Frame Studios

- Managed a growing marketing and photography company
- Successfully planned and implemented multiple marketing projects for clients

Projects

May 2015 - Present
Waterloo, Ontario

ProHax (Independent), Website Design and Creation Service

- Provided a service to create websites for small businesses incapable of designing their own at zero service cost
- Implemented using the latest web development technologies (HTML5, CSS3, JavaScript, Bootstrap)

Sep - Dec 2014
Waterloo, Ontario

Data Structure Implementation, Data Structures & Algorithms (ECE 250)

- Fully implemented various data structures including linked lists, stacks, queues, trees, hash tables, and graphs using C++
- Analyzed run-time and space complexities using asymptotic analysis

Jan - Apr 2013
Waterloo, Ontario

Pedometer, Embedded Systems (ECE 155)

- Utilized the phone's accelerometer to count user's steps
- Displayed real time data to user based on steps taken, location and speed

Jan - Apr 2013
Waterloo, Ontario

Sensor-Enabled Navigation, Embedded Systems (ECE 155)

- Manipulating a SVG map while reading phone sensors to guide user across map