YOUSSEF IBRAHIM

SOFTWARE ENGINEER

CONTACT

📞 1.519.729.0846

✉ youssef.ibrahim@uwaterloo.ca

🌐 www.youssefibrahim.com

LANGUAGES

Python	Ruby
C++	MATLAB
Java	JavaScript

TOOLS

Git	Eclipse
Chef	Hadoop
Selenium	Linux

EDUCATION

University of Waterloo
B.A.S.c Electrical
Engineering
2012 - 2017 (expected)

EXPERIENCE

Software Engineer, *Blackberry Ltd.*   *Waterloo*
Sept - Dec 2016
- Developed a health check on data nodes within a cluster to run on boot-up using Chef
- Automated work-flow to allow for user privileges and directories to be created on servers within cluster, reducing over 5 man-hours per user creation

Software Engineer, *Amplify Education*   *New York City*
Jan - Apr 2016
- 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 serialization/deserialization library used in company wide Java applications

Software Engineer, *Amplify Education*   *New York City*
Sept - Dec 2014
- Optimized the application testing process by utilizing the Selenium framework
- Created and maintained Python scripts used to retrieve, analyze, and edit student data impacting a subset of Amplify users

Technology Operations Consultant, *Barrow Solutions*   *Toronto*
Jan - Apr 2014
- Developed and optimized the company website using HTML/CSS
- Created an authentication site for contractors using Bootstrap
- Published documents to promote mission to potential clients and partners in regards to products and services

Retail Process Analyst, *Canadian Tire Inc.*   *Toronto*
May - Aug 2013
- Aided in the creation of the UI design for replenishment software using IBM RPG
- Replenishment software was implemented in 200 stores, increasing employee efficiency by >300%
- Led initiative to create technical training materials for staff on-boarding

Co-Founder & Manager of Operations, *Thru Frame Studios*   *Hamilton*
Mar - Aug 2013
- Managed a growing marketing and photography company
- Successfully planned and implemented multiple marketing projects for clients

PROJECTS

ProHax (Independent), Website Design and Creation Service
- Provided a service to create websites for small businesses incapable of designing their own
- Implemented using the latest web development technologies

Data Structure Implementation, Data Structures & Algorithms
- 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

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