Osama Malik

Rye Brook, NY | (905) 929 - 4815

omalik91@gmail.com
malikos.com
github.com/osamamalik
linkedin.com/in/osamasmalik

Education

York University
2017 – 2019
BSc Honours – Computer Science
3.8 GPA, First Class Standing

Mohawk College
2013 – 2016
Software Development – Advanced Diploma
3.9 GPA, Dean's Honors List

Skills

Java	●●●●●	Android	●●●●○	Node.js	●●●○○
Python	●●●●○	HTML, CSS	●●●●○	React	●●●○○
C	●●●○○	PHP	●●○○○	SQL	●●●●○
C#	●●●●○	JavaScript	●●●●○	Git	●●●○○

Experience

Deloitte
Aug 2019 – Present

Business Technology Analyst | Consulting, Systems Engineering
- Wrote SQL queries to produce daily data extracts, adhering to best query-writing practices
- Took part in planning, development, testing, and demoing of an internal employee recruitment application using the Mendix Low Code platform
- Created and executed test cases for a Guidewire-based insurance platform

Royal Bank of Canada
May 2016 – Aug 2016

Technical Systems Analyst | Internship
- Developed new forms for myMarketPlace, the internal ServiceNow-based website, which allowed employees across the globe to request access to various applications, services, and equipment
- Implemented automation on forms using JavaScript, cutting down on the amount of time and resources to complete a request

ABELSoft
Dec 2014 – Sep 2015

Junior Software Developer | Internship
- Worked on the development and maintenance of a medical/dental practice management software
- Extensively used C#, Windows Presentation Foundation, XAML, and SQL queries
- Created and improved individualized client custom clinical forms with HTML and CSS
- Adhered to proper development rules by creating unit and integration tests, and requesting code/QC reviews before pushing any significant change to Team Foundation Server (TFS)

Projects

Trans-Esophageal Echocardiography Simulator
- Developed a physical prototype tool for training new clinicians in the use of TEE ultrasounds
- Connected a mouse sensor to an Arduino microcontroller to track the motion of a simulated ultrasound transducer in real time, using the mouse's x and y coordinates
- Created a visualization subsystem to read mouse position and display images of a sample patient's chest CT scans, developed in C++ with the Visualization Toolkit (VTK) graphics library

Mom & Pop Bookshop
- Designed and developed a bookstore e-commerce website using Java Servlets, Apache, and SQL
- Followed the MVC design pattern and featured basic functionalities of an online bookstore including user profiles, browsing catalogues, search features, and a shopping cart

Machine Learning for Printed Electronics
- Developed a machine learning algorithm to optimize pattern fidelity in printed electronics
- Used Keras and TensorFlow libraries to make a convolutional neural network in Python, with the goal of taking in any arbitrary circuit pattern and printing that design with minimal errors

Comic Book Tracker
- Created an Android application to keep track of a user's comic book inventory and to-read list
- Followed Android's Material Design guide to develop the appearance of the app and implemented the back-end with PHP and MySQL