

OSAMA MALIK

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EDUCATION

York University BSc Honours - Computer Science <i>GPA: 3.7, First Class Standing</i>	Toronto, ON 2017 - 2019
Mohawk College Advanced Diploma - Software Development <i>GPA: 3.9, Dean's Honors List</i>	Hamilton, ON 2013 - 2016

EXPERIENCE

Deloitte <i>Software Developer / BTA (Consulting)</i>	Aug 2019 - Present
<ul style="list-style-type: none">• Wrote web APIs with C# using Entity Framework for a multinational food manufacturer's migration from a legacy application and created unit tests with xUnit• Wrote SQL queries to produce daily data extracts, adhering to best query-writing practices• Took part in planning, development, testing, and demoing of an employee recruitment application	
Lassonde School of Engineering <i>Machine Learning Research Assistant</i>	May 2018 - Dec 2018
<ul style="list-style-type: none">• 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	
Royal Bank of Canada <i>Technical Systems Analyst (Internship)</i>	May 2016 - Aug 2016
<ul style="list-style-type: none">• 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 <i>Junior Software Developer (Internship)</i>	Jan 2015 - Sep 2015
<ul style="list-style-type: none">• Worked on the development and maintenance of a medical/dental practice management software• Extensively used C#, Windows Presentation Foundation, XAML, and SQL queries to develop features, in addition to 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)	

SKILLS

Languages:	Java, Python, C#, C, SQL, HTML, CSS, JavaScript, PHP
Frameworks/Tools:	Android Development, React, Node.js, WPF, Git

PROJECTS

TEE Simulator <i>C++, Arduino, VTK</i>	github.com/osamamalik/TEESimulator
Developed a physical trans-esophageal echocardiography (TEE) prototype tool with a mouse sensor and Arduino microcontroller, along with an ultrasound simulation subsystem, for training new clinicians in the use of TEE ultrasounds	
Mom & Pop Bookshop <i>Java Servlets, JSP, SQL</i>	github.com/osamamalik/mom-pop
Designed and developed a complete bookstore e-commerce website which follows the MVC design pattern and features basic functionalities of an online bookstore including user profiles, browsing catalogues, search features, and a shopping cart	
Issues <i>Android Studio, Java, PHP, MySQL</i>	github.com/osamamalik/comicbooktracker
Created a fully functional Android application to keep track of a user's comic book inventory and to-read list, while adhering to proper design principles and featuring a modern UI	