

# Osama Malik

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## Education

**York University** BSc Honours – Computer Science  
2017 – 2019 *3.8 GPA, First Class Standing*  
**Mohawk College** Software Development – Advanced Diploma  
2013 – 2016 *3.9 GPA, Dean's Honors List*

## Skills

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

## Experience

**Deloitte** **Business Technology Analyst | Consulting, Systems Engineering**  
Aug 2019 – Present

- 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** **Technical Systems Analyst | Internship**  
May 2016 – Aug 2016

- 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** **Junior Software Developer | Internship**  
Dec 2014 – Sep 2015

- 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