

# TYURINA NIMALAKUMAR

## 2B Mechatronics Engineering

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tyurina.github.io

### Summary of Qualifications

- Well versed in **C, C++, MATLAB** and **Ladder Logic (PLC)** through course and project work
- Self-taught **VB, MS SQL, XML, JavaScript** and **HTML/CSS** for personal projects
- Experienced in **Solid Works, AutoCAD** and **GD&T** by creating engineering drawings

### Work Experience

#### Software Engineer | American Express Canada

Jan - April. 2016

- Designed and executed ETL tasks using Informatica Cloud to load data from a server to Salesforce
- Made enhancements such as: adding fields, creating workflows and validation rules on Salesforce CRM
- Used jQuery and JavaScript to create dynamic email templates, forms and landing pages on Eloqua
- Worked in a collaborative agile development team in a multitude of roles including: QA, PM, and developer

#### Application Developer | Toronto Transit Commission

May - Aug. 2015

- Maintained a regularly used in house application (DPR) that archives all legacy TTC engineering drawings
- Modified the search engine to increase efficiency of DPR, using VB and C#
- Updated database and polished searching scripts using SQL queries
- Exceptional communication skills developed from preparing and presenting business plans to executives

#### Special Needs Camp Counselor | City of Brampton

June - Aug. 2014

- Supervised and organized daytime activities for teenagers and adults with a variety of disabilities
- Demonstrated positive customer service and was requested for additional contract work

### Projects

#### Personal Website

Sept. 2015

- Built with Jekyll and developed using HTML /CSS to display information about personal projects

#### Helping Hand Android App

Sept. 2015

- Collaborated with peers to make a platform to post and assist others in achieving personal goals
- Customized the UI with Java/ XML and integrated Moxtra API to include a chat feature

#### Automated Transportation Robot

Dec. 2014

- Constructed a custom NXT robot to navigate and retrieve an object in an obstacle course with C++
- Modeled a forklift mechanism using AutoCAD

### Volunteer Experience

#### Kids Learning Code Mentor

2016

- Volunteered at Introduction to Python and HTML/CSS courses to teach kids the principles of programming

#### Waterloo BioMechatronics Club

2015

- 3D-printed and assembled a mechanical prosthetic hand

#### Peel Senior Home Volunteer

2013 - 2014

- Coordinated entertaining activities for seniors and assisted with personal care

#### Leader, Fundraiser for Haiti

2013

- Organized a school wide coin drive that fundraised **\$2700.00** for a Haitian charity

### Education

#### Candidate for BAsC, Mechatronics Engineering, University of Waterloo

2014 - Present

- Waterloo President's Scholarship of Distinction (95%+ average)

### Interests

- Travelling & Geography
- Tae Kwon-Do
- Playing the Guitar