**Jude D'Souza**

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Education

Ryerson University—Bachelors of Engineering (Electrical Engineering Co-op)

Expected graduation April 2021

Skills

**Programming Languages**: Java, C, C#, HCS12 Assembly

**Engineering Software**: MATLAB/Simulink, VHDL, CodeWarrior, NI Multisim

**Engineering Hardware**: Breadboards, Oscilloscope, Function Generators, FPGA Boards, Microprocessors

**Productivity Software**: Microsoft Office (Word, Excel and PowerPoint), Adobe Photoshop

**Training**: Certification in both WHMIS and EHS

Work Experience

**Summer Engineering Student | Kinectrics** May 2018 – August 2018

* Worked with Kinectrics Reverse Engineering Team to focus on energy and cost saving projects
* Collaborated with other engineers and technicians to complete reports including Manufacturer Test Reports, Part Specific Reports, Inspection and Test Plans, Design Reviews and Meeting Minutes based on technical specifications
* Coordinated with clients and lead engineers on their projects to meet design specifications and business timelines

**Postal Clerk | Shoppers Drugs Mart** June 2017 – August 2017

* Responsible for the receiving, sorting and outgoing mail services of both parcels and letter mail
* Answered inquires or complaints regarding postal service and maintained RPO inventory
* Handled cash process including the selling of Money Orders, MoneyGram, and stamps

**Member | Hobby Electronics Club**  November 2016 – Present

* Worked with electronics to build several projects including a photo resistor triggered musical stair case, an audio amplifier, dc motor powered car
* Built, coded and worked as a team to complete these projects and integrated both software and hardware components

Projects

**Participant | RU Hacks** March 2017

* Worked as a team of 4 to create, design and build a website to help crowdfund different charities
* Used HTML, CSS and Java Script to create the website template and functionality
* Assisted in presenting and detailing our project to a panel of judges

**Participant | Ryerson Engineering Competition** November 2016

* Lead a multidimensional team to design and construct a catapult with limited materials and time
* Competed against other junior engineers
* Successfully built a catapult which was to launch a projectile over a wall and land in a targeted area

**Custom Mechanical Keyboards**  January 2015 – Present

* Built several custom mechanical keyboards
* Completed several builds which included ordering the parts, soldering the switches to the pcb, programming and flashing the layout and assembling the keyboards
* Currently in the process of learning KiCad to create a custom pcb to be used in an upcoming build