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