Amritpal Padda

Montreal, Canada
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github.com/Amrit-Padda/Portfolio

Education

Concordia University *(2017 - 2021) (Expected)*
- Bachelor's Degree in Computer Science

Coursera *(2017)*
- Cryptography I (Stanford University)
- Machine Learning (Stanford University)

Dawson College *(2014 - 2016)*
- DEC in Pure and Applied Sciences

Loyola High School *(2009 - 2014)*
- Graduated with Second Honors
- Participated in FIRST Robotics

Experience

Electrical Systems Lead at Concordia Baja SAE *(January 2019 - present)*
- Developing an Arduino based CAN BUS data acquisition system for our off-road vehicle
  - Coordinated with various sub-system leads to develop a functional system, while remaining within budget and scope
  - Designed wiring diagrams and power delivery systems for the various devices
  - Wrote Arduino code to incorporate various sensors and devices into one cohesive and efficient system
- Provide programming and technical support to various Capstone (final year engineering) projects, including but not limited to:
  - ECVT: Advised project team on best practices for a real time, embedded control system for the electronically controlled continuously variable transmission
  - Magnetorheological Dampers: Proposed project to Capstone team, and provided preliminary project scope and brainstormed early prototypes

Cyber Risk Analyst at Deloitte Canada *(January 2018 - April 2018)*
- Participate in the planning of Identity and Access Management projects:
  - Drafting resourcing requirements and project timelines to ensure timely project delivery, as well as to present a project overview to clients
  - Creating presentations to demonstrate the impact of Cyber Security initiatives and the capabilities of Deloitte's cyber security practice
- Collaborate with project team to draft project deliverables:
  - Drafting project charters, statements of work and work orders to illustrate project progress to Deloitte clients
  - Develop cyber security current state assessment reports based on client workshop sessions to identify potential vulnerabilities
  - Create technical network diagrams and presentations to illustrate shortcomings and potential issues

Assistant Manager at Clinique Sommeil Santé *(July 2013 - January 2018)*
- Entering daily invoices and payroll into Simply Accounting
- Ensuring customer satisfaction with both products and services

Skills and Qualifications

Computer Science
- JAVA/C++/Arduino/Python
- CANBUS
- Penetration Testing (Introductory)
- Linux

Languages
- French and English: Fluently spoken and written

Volunteering

Allion After School Program *(September 2013 - June 2014)*
- Helped elementary students with homework and supervised them during their break time

Projects at the Gurdwara Guru Nanak Temple *(January 2010 - Present)*
- Volunteer in the community kitchen
- Various IT related tasks such as troubleshooting wireless projectors to setting up microphones and speakers.