



## ACADEMIC & CO-OP STATUS

### **Electrical Engineering, Bsc Co-op, University of Alberta**

Cumulative Grade Point Average

Completed Academic Terms

Completed Co-op Work Terms

Availability Starting May 2023

Class of 2026

3.9/4.0

3/8

0/5

4 months

## TECHNICAL SKILLS

**Programming:** MATLAB, Python, C, C++, VHDL, Git, HTML, CSS

**Software:** AutoCAD, Vivado, Waveforms, GIMP, GitHub

**Microsoft Office:** Excel, Word, PowerPoint

**Adobe:** Elements, Photoshop

**Tools:** Drills, Saws, Wire Strippers, Sanders, Hammer, etc

## PROJECT EXPERIENCE

### **Data Collection and Stock Algorithm Project**

Nov 2022 - Present

Student Innovation Center, University of Alberta

- Developing a stock market prediction algorithm in a group of 2 University of Alberta students
- Programming a data collection algorithm in python to collect and graph stock market data
- Set goals and deadlines as team to collaborate and use our time as effectively as possible

### **Personal HTML Portfolio Website**

Jan 2023 - Feb 2023

Personal Project

- Created a HTML script to design a website to display my skills, information, and project details
- Styled the website using the CSS language to produce an interactive website design
- Managed the project using Git and GitHub to store the project remotely and deploy it to the web
- Researched HTML, Git, and syntax to apply effectively to make a website

### **Python Control Simulation Project**

Sep - Dec 2022

Dean's Research Award Program, University of Alberta

- Designed a dynamical simulation model in Python for use in a depth-control system of an underwater autonomous vehicle
- Collaborated with an electrical engineering professor to use problem-solving strategies to overcome obstacles such as program errors and time deadlines
- Researched control systems, dynamics of marine vehicles, and the python implementation of a control system to complete project effectively

### **Playground Design Project**

Jan - May 2022

Introductory Engineering Design, University of Alberta

- Collaborated with 5 team members to plan and model an elementary school playground
- Created a team project design video using adobe elements to summarize and present playground design process in a short visual form
- Designed a playground considering factors such as budget, materials, stakeholders, sustainability, and environmental impact of the project

## WORK EXPERIENCE

### Control Systems Integrator

May 2023 – Sept 2023

Cybertech Automation, Edmonton, AB

- Lead, designed, planned, executed and documented a power monitoring system project
- Designed and sketched various types of electrical drawings using AutoCAD
- Created automated databases in Excel using Access SQL databases, macros and conditional formatting
- Prepared construction work packages for large scale oil and gas projects
- Implemented control loops using the Foxboro system framework

### Rental Property Management

Jun 2018 - Present

Trident Properties, Edmonton, AB

- Lead and participate in building repair restoration and landscaping projects for 6 residential rental apartment properties
- Completed 15 restoration projects including demolition, drywalling, painting, flooring, wiring, and installing electric appliances
- Operate lawnmowers, rototillers, and trimmers to mow laws, landscape gardens, and trim trees
- Repair integral weather damaged outdoor areas of properties, such as roofs, decks, and fences

### Backshop Attendant

Jul 2021 - Aug 2022

Mill Woods Golf Course, Edmonton, AB

- Managed driving range and golf cart compound as a 2-person crew
- Operated and maintained machinery such as golf carts, gators, and driving range pickers
- Setup golf carts and assisted golfers at 5 tournaments, in both golf pro and amateur guest tournaments
- Assessed quality of driving range golf balls, keeping gold balls stocked and in good condition

### Retail Sales Associate

Nov - Dec 2018

Gap West Edmonton Mall, Edmonton, AB

- Inspected inventory shortages, located items from storage, and resupplied stock to display floor
- Accommodated shopping customers and maintained display appearance with a group of 4 team members
- Promoted Black Friday sales as a seasonal worker in a busy retail environment

### Camp Counsellor

St. Paul's Lutheran Church, Edmonton, AB

Jul 2016 - Jul 2019

- Volunteered at St. Paul's Vacation Bible School to lead and supervise event stations at camp
- Led and upheld safety procedures for a group of 7 youth to participate in various activities over weeklong summer camp
- Setup and built decorations for displays at the 5 camp stations

## SCHOLARSHIPS & AWARDS

Dean's Research Award, University of Alberta 2022

University of Alberta Undergraduate Scholarship, University of Alberta 2022

Jason Lang Scholarship, Government of Alberta 2022

Alexander Rutherford Scholarship, Government of Alberta 2018-2021

Honours with Distinction, Harry Ainlay High School 2018-2021