

ACADEMIC AND CO-OP STATUS

University of Alberta, BSc in Computer Engineering Co-op – Software

Cumulative Grade Point Average: 3.5 / 4.0

Completed Academic Terms: 3 / 8

Completed Co-op Work Terms: 0 / 5

Availability Starting May 2023: 4 months

TECHNICAL SKILLS

Programming: Python | C++ | JavaScript | HTML | CSS

Frameworks & Databases: ReactJS | NodeJS | ExpressJS | Django | MongoDB | MySQL | GIT

Developer Tools: VsCode | Google Cloud Platform | Various API's

EXPERIENCE

M&Z Design Consulting LTD | SOFTWARE INTERN | Edmonton, Alberta

May 2022 - Aug 2022

- Developed automation software for internal accounting and bookkeeping to boost workload efficiency.
- Used the OpenPyxl library and Python to automate the analysis of 3,000+ data spreadsheets for multiple clients and projects to help with data entry.
- Worked with a multitude of clients and firms on drafting, automation, and querying local databases; some companies being: Stantec, EPCOR, Suncor, etc.
- Wrote scripts used to analyze Geotechnical pipeline and management systems to reduce processing and analytical time for upper senior Civil Engineers.
- Implemented methods to visualize and send a daily report of test results to team members through full-stack tools such as HTML, JavaScript, and CSS.

Oxford Learning Centre | TUTOR / INSTRUCTOR | Edmonton, Alberta

May 2021 - Aug 2021

- Instructed high school, elementary, and junior high students in handling and tackling weaknesses within all five primary courses.
- Taught students to strengthen weaknesses within math, science, physics, or computer science knowledge.
- Aided in grading and correcting ~20 student's work, as well as explaining mistakes thoroughly.

PROJECTS

ARVP - Autonomous Robotic Vehicle Project | ARCTOS Submarine Bot

May 2022 - Present

- Implemented basic robotics principles in designing and testing the prototyping of a fully autonomous robotic submarine
- Incorporated contributions in basic C++ and Python to create the skeleton of the bot's automotive software.
- Implemented and was exposed to basic machine learning algorithms.
- Worked with Arduino and various microprocessors in order to interface C++ scripts with the robot's hardware.

'CompanyStocker' – Python GUI Application

December 2022 - Present

- Developed a Python GUI using the Tkinter and CustomTkinter module which provides real-time, updated financial information on any inputted company or stock ticker symbol.
- Implemented the Financial Modeling Prep API as well as YahooAPI to pull the financial statements, stock price, and company information of any user inputted stock ticker symbol.
- Developed with an overarching goal of creating a flask web application centered around providing easily attainable and accessible financial education to individuals of all ages.

Personal Website | Ryan Almasi - Personal Website

Jun 2022 - Jul 2022

- Created a personalized website to act as a portfolio for future accomplishments and skills.
- Incorporated ReactJS, NodeJS, with HTML and CSS to create a modernized interactive webpage.
- Using JavaScript and JSX, I created smooth animations and implemented full webpage functionality.