OLIVIER PRESTON

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OBJECTIVE

To find challenging work in the fields of computer programming and/or data analytics

SKILLS & ABILITIES

- Proficient in C/C++, Java, Python, SQL, SAS, VBA, CUDA, Matlab, Git (Github link: https://github.com/opesto), Oracle, UNIX, MIPS assembly language, and Android Studio
- Currently learning JavaScript, html, and CSS
- Fluent in both English (level: excellent) and French (level: very good to excellent conversationally)
- Excellent communication skills, team player, and motivated to maximize the overall output of both the team and individual teammates
- Possesses solid EQ (soft skills) and hard skills in order to execute a team project
- Motivated to achieve success in challenging and demanding work environments, while also meeting imposed deadlines

EDUCATION

UNIVERSITY OF ALBERTA
Bachelor of Science 2017, Double Major Math and Computing Science

COURSEWORK

Computing Science: Intro to software engineering, Intro to GPU programming, Operating Systems Concepts, Visual Recognition, Reinforcement Learning for Artificial Intelligence, Intro to File and Database Management as well as many other courses

Math: Combinatorics, Numerical Methods, Mathematical Modelling, Intro to Differential Equations as well as many other courses

UNIVERSITY PROJECTS

InTheMood Android App
- Developed an android app with four other classmates
- App allowed users to post their current mood (happy, sad, excited, etc., along with an explanation), share each mood with friends, take a picture alongside each posted mood, and view information about each mood including the location of the mood on a map
- Github link: https://github.com/CMPUT301W17T15/InTheMood

Visual Recognition Project
- Developed a visual recognition program used for classifying pictures of German road signs with 3 other classmates. This program implemented a convolutional neural network algorithm which is a form of machine learning used for analyzing visual imagery, recommender systems (Netflix movie recommendations), and natural language processing.
- Achieved 92% accuracy classifying images into 100 different classes/categories of road signs

Mathematical Modeling Final Project
- Developed a mathematical model with one other classmate to optimize weekly profits for a mock manufacturing company created by our professor.
- Our mathematical model explained the optimum production policy for a company manufacturing plastic bags, milk jugs, and environmentally friendly milk jugs. We were given resource restrictions on post-consumer plastics and industrial scraps as well as their costs.
- We presented our model to our professor, classmates, and other grad students.

EXPERIENCE

JUNIOR DATA ANALYST, WORKFORCE PLANNING AND ANALYTICS, PUBLIC SERVICE COMMISSION, GOVERNMENT OF ALBERTA

OCT-DEC 2017

- Wrote SQL queries and SAS code in the SAS environment to help with data checking, data manipulation, and workforce reporting of the Alberta Public Service
- Helped with User Acceptance Testing and provided input in meetings for the new Enterprise Data Management System being developed for the Government of Alberta
- Worked effectively and efficiently with senior data analyst to answer data requests in a timely fashion

HERBICIDE APPLICATOR, DAVEY TREE SERVICES

SUMMERS OF 2015 AND 2016

- Managed herbicide spray equipment in and sprayed under powerlines across Alberta
- Received my airbrakes certification to haul machinery to various work sites
- Worked with and drove heavy machinery
- Delegated tasks and taught spraying techniques to new employees during my second summer
- Fixed and maintained machinery
- Worked 14 hour days, sometimes up to 7 days a week

WINDSHIELD REPAIR TECHNICIAN, DECO WINDSHIELD REPAIR

SUMMER OF 2014

- Installed and setup Deco windshield repair workstation daily
- Was accountable for float and tracking personal sales
- Worked independently and interacted with customers
- Promoted and sold Deco windshield repair services
- Fixed rock chips and cracks in windshield

MATH TUTORING, SELF-EMPLOYED

SEPT TO APRIL 2017

- Tutored 5 students weekly in mathematics. Student's ages ranged from 14 years old to university level students
- Tutored an average of 8 hours a week

SERVICE EXPRESS AGENT, THE WESTIN HOTEL

MAY 2013-JUNE 2014

- Worked at the front door of the hotel greeting guests
- Provided valet parking services
- Provided concierge services, including luggage assistance, directions and restaurant suggestions

VOLUNTEERING, ORGANIC FARM IN THAILAND

MAY, 2016

- Helped aerate fields for organic farming and assisted with construction of a bungalow

HOBBIES | Travelling, Mountain Biking, Skiing, Hiking, Spikeball, Music Festivals

REFERENCES | Available upon request