Donald Jung COMPUTER SCIENCE CO-OP STUDENT

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TECHNICAL SKILLS

Languages: Python, Java, C, JavaScript, HTML, CSS, Lisp, Bash
Frameworks/Tools: Numpy, Pandas, React, Node.js, Bootstrap, Docker, Git, FastAPI
Databases: MySQL, MongoDB (NoSQL)
Technical Skills: Data Structures and Algorithms, Cloud Computing, Artificial Intelligence, Data Science
Soft Skills: Problem Solving, Leadership, Communication, Fast learner, Organization and Time Management

RELEVANT COURSES

Computer Science I (Python): Data Types, Data Manipulation, Loops, Control Structures, Logical Statements
Computer Science II (Java): Object Oriented Programming, Classes, Objects, Inheritance, Encapsulation, Polymorphosm
Data Structures and Algorithms: Complexity Analysis, Search & Sort, Trees, Hashsets, Recursion
Operating Systems (Unix, C, C++): Bash Scripting, Command Line Interface, Memory Allocation

PROFESSIONAL EXPERIENCE & EDUCATION

Computer Science Student - Toronto Metropolitan University (CGPA 4.0)   **September 2023 - Present**
Michel Junior Julien Award | First year
Dedicated computer science student excelling in computer science classes. Developed and completed
projects in Python, utlizing efficient data structures and algorithms for optimal memory allocation and
computation. Designed computer circuits optimized with boolean algebra for computer architectural
solutions for adders, counters, ALUs. Engineered ride-sharing application akin to Uber in Java, utilizing object
oriented programming, features include driver and client capabilities, designed with algorithms to deliver
optimal routing for delivery.

Founder - Gym Equipment Business   **March 2020 - June 2022**
Launched an online gym equipment enterprise amidst the COVID-19 pandemic, identifying a surge in
demand for home fitness solutions due to public health restrictions on traditional gym spaces. Orchestrated a
partnership with BestBuy on wholesale procurement and marketed via retail e-commerce sales. Provided
retail market with fair-priced fitness solution, navigating complex sale cycles during lockdown.

PROJECTS

Financial Data Scrapper (Javascript, HTML)
Created a javascript script to scrape web data from financial statements such as F13 filings and convert to a
downloadable CSV file for more efficient data manipulation.
Macronutrient data from image application (Python, OpenAI API)
Created a web application that can recognize and analyze macronutrient data from an uploaded image of a food.
Saving time and helping those who are new to tracking their diet.
Kaggle - Titanic Machine Learning Competition (Python)
Used sklearn to predict whether or not a person survived the titanic incident using age, gender and the position of
their seat.

CERTIFICATIONS & ACTIVITIES

Meta Professional Certificate (Front End Development)
Using React, Javascript, CSS and HTML to create webpages and event driven web application, such as a calculator
application, to-do list and an interactive restaurant website.
IBM SkillsBuild Professional Certificate (Artificial Intelligence)
Learned about NLP, CNN, GAN, supervised/unsupervised/reinforcement learning, decision trees, linear/logistic
regression, used IBM Watson Studio models to analyze financial loan data to predict future loan risks.
IBM SkillsFest - IBM Z (MainFrame Introduction)
Participated in IBM SkillsFest and learned about the IBM Z mainframe, completed modules on IBM Explorer, IBM
Zowe, using JCL, Cobol, SQL and Assembly.
IBM SkillsBuild Professional Certificate (Cloud Computing)
Learned about virtualization, cloud services, cloud security and cloud deployment. Deployed docker container on
IBM cloud.
Startup Certified Program, Toronto DMZ Startups
Entrepreneurial training program to bolster collaboration and real-world applicability.
DataCamp Associate Data Scientist Certification (In-Progress)
Using Python to manipulate and visualize data using Numpy, Pandas and Matplotlib.