JAYDEN METCALFE

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EDUCATION:

Bachelor of Arts and Science, Cognitive Science   August 2020 - April 2024
McGill University, Montréal QC, Canada
- Neuroscience stream, Minor in Computer Science
- J.W. McConnell Entrance Scholarship
- Varsity Ski Team, McGill Women in Computer Science, McGill Women in Tech, Ski Club, Soccer and Dodgeball Intramurals

Relevant Coursework: Data Structures & Algorithms, Python, Java and OOP, Probability, Software Systems, Computational Linguistics, Discrete Structures, Applied Machine Learning, From Natural Language to Data Science

TECHNICAL SKILLS:

Python, Java, C, Bash (Linux), HTML, CSS, JavaScript, TypeScript, Clojure, PostgreSQL, Node.js, Spring Boot, Arduino, Docker, Kubernetes, Keras/TensorFlow, sci-kitlearn, Git

WORK EXPERIENCE:

Undergraduate Researcher   August 2023 - May 2024
The Britt Lab, Montréal QC
- Research project studying how the dorsomedial striatum plays a role in flexible decision-making within mice
- Developed Python and Excel programs to analyze and represent data from daily tasks using graphs and Q-learning models
- Updated Arduino code for each stage of the experiment

Product Research, Design, and Development Intern   May - August 2023
Interac Corp., Toronto ON
- Identified a gap in the market then developed and integrated an API as a solution which was demoed to the upper management
- Collaborated with UI/UX designers to implement new product designs using HTML, CSS, and TypeScript
- Upgraded and added features for tools used to present new products to major financial institutions

Landscape Maintenance Worker   Spring 2020 - 2022
Natural Blends, Collingwood ON
- Collaborated with a team to perform various detail-oriented tasks at 40+ properties
- Entrusted as reference person to solve problems when boss was not on site
- Displayed grit while working 50+ hour weeks through copious weather elements in multiple work environments

Assistant Manager - Grocery Store   Summer 2020 - 2021
The Ojibway Club, Pointe au Baril ON
- Oversaw the daily operations of a seasonal island grocery store serving the local community
- Communicated with retailers to place weekly orders to ensure shelves were fully stocked
- Aided in the training and managing of a team of 8 employees

PERSONAL PROJECTS:

FIS Race Points Calculator
- Allows alpine ski racers to determine their results (scores) at the conclusion of the race, as opposed to hours later
- Selenium scrapes a Chrome webpage from a live timing website then a Python program calculates the score of each racer
- HTML, CSS, Javascript, and Node.js are used to take the link to the race results as input, send it to the Python program, return the scores, and display them on the webpage

EXTRACURRICULARS:

McGill Varsity Alpine Ski Team   September 2020 - May 2023
- Team Captain and Varsity Council Team Representative
- Balanced a full university course load while training and competing five days a week

TEAM Mentor   January 2022 - April 2022
- Received the Tomlinson Engagement Award for Mentoring for PHYS102: Electromagnetism & Optics
- Led a group of 15 students in weekly tutorials