Harkirat Soomal

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EDUCATION

University of Guelph   **Guelph, ON**
Bachelor of Computing in Computer Science   Expected May 2027
Cumulative GPA: 3.9/4.0; Dean's List 2022-2023
Relevant Coursework: Data Structures, Object-Oriented Programming, Microcomputers, Discrete Structures, Web Design & Development, Linear Algebra

EXPERIENCE

Cool Summer Camp   **Brampton, ON - Hybrid**
Data Administrator   June 2023 - Sept 2023
- Enhanced data precision and organization, facilitating data analysis and informed decision-making for camp operations.
- Utilized Excel proficiency to craft data visualization charts, promoting in-depth data comprehension and actionable insights.
- Implemented efficient data retrieval and reporting tools, ensuring stakeholders had timely access to real-time information.

WizePrep   **Guelph, ON - Hybrid**
Digital Marketing Intern   Jan 2023 - June 2023
- Completed **30+** hours of professional development training & connected with WizePrep coaches to discuss business ideas.
- Worked with other interns to identify, document, and solve problems/issues related to potential company projects.
- Collaborated with cross-functional teams to design features, improving existing applications and reducing paperwork by **15%**.
- Assisted in digital marketing campaigns, leveraging social media, email marketing, and data analysis to target audiences and enhance campaign effectiveness increasing customer use.

CodeNinjas   **Brampton, ON**
Coding Instructor   May 2022 - July 2022
- Taught coding fundamentals and programming languages such as JavaScript, Lua, and Python to students aged 7-14.
- Customized lesson plans and engaging activities to match individual student learning styles, resulting in a **50%** increase in student comprehension and engagement.
- Fostered a positive and encouraging learning environment, inspiring students to develop their problem-solving and critical-thinking skills

TECHNICAL SKILLS

Languages: Python, C, Java, C++, JavaScript, HTML, CSS, SQL, Lua, Arm68x, Motorola 68k
Frameworks/Libraries: React, Django, Spring, Flask, JUnit TensorFlow, Bootstrap, MySQL, Matplotlib, NumPy, Selenium
Tools/Technologies: Git, GitHub, GitLab, VS Code, Excel, Flutter, Figma, Linux CLI, Docker, Google Analytics 4

PROJECTS

VentureMark | *Python, HTML, CSS, JavaScript, React, Flask, Selenium*   **August 2023 - Present**
- Python program and a web application designed to help startup businesses check the availability of trademarks for their company names. The Python program utilizes web scraping techniques through Selenium to interact with the Canadian Intellectual Property Office (CIPO) trademark database page and outputs the trademark availability.

Sorting Algorithms Visualizer |*React, Javascript, HTML CSS*   **Jun 2023 - July 2023**
- Interactive React.js program visualizing six key sorting algorithms with colour-coded progression, user-adjustable speed and size settings, and detailed complexity metrics for algorithms to aid user understanding and analysis

Calorie Canvas | *Python, Django, Javascript*   **Jan 2023 - April 2023**
- Python-based calorie tracker in a virtual environment with Django and Javascript for advanced visualization enabling nutritional assessments via seamless API integration with eye-catching visuals enhancing user appeal and understanding.