Sarah Tan

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EDUCATION

University of Western Ontario | Bachelor of Engineering Science, Software Engineering   2022
- Deans honor list with 3.9 GPA (2019)

Key areas of study and courses taken:
- Algorithms and Data Structures (achieved 100%), Software Design, Web Technologies, Software Construction

WORK EXPERIENCE

Undergraduate Summer Research Intern | Western University, London, ON   May 2020 – Present
- Designed an electric vehicle charging and range prediction model that is 92% accurate using various machine learning algorithms and preprocessing techniques written in Python and Scikit-learn to reduce customer range anxiety
- Utilized remote working tools including team schedules, virtual meetings, and Git to communicate and deliver a high-quality final product by the company's deadline

Retail Sales Specialist | The London Ice Cream Company, London, ON   May 2019 – September 2019
- Communicated with all personnel and outside contacts to define, analyze, and deliver requirements that reflected both the needs of the business and the customer
- Organized and ran over 10 charity events to promote the company and to support the local community

LEADERSHIP EXPERIENCE

Director of Education | Western AI, London, ON   June 2020 – Present
- Created curriculums, machine learning models and interactive code tutorials to teach machine learning and empower the members of Western AI with knowledge for their personal growth
- Taught ethics and business applications of AI to broaden the range of students with opportunities in Western AI

Varsity Athletics | University of Western Ontario Cheerleading, London, ON   May 2018 - Present
- Used time management skills to balance a full course load with competitions, practices, and games
- Performed at the 2019 Juno Awards and helped lead the team to back-to-back intercollegiate national championships

EXTRACURRICULARS AND INTERESTS

Timetable Website | Western University, London, ON   October 2020
- Created a user-friendly timetable website using Western's data and deployed it on an AWS server
- Implemented the front end using Angular and the backend using Node.js, Express and MongoDB

InTouch | EnactusHacks, London, ON   October 2020
- Designed an app that uses a machine learning clustering algorithm written in Python to pair students together, encourage new friendships and support mental health
- Won best mental health hack

Interests | Coffee enthusiast, Outdoors adventurer, Cheerleading, Hopeful Baker

LANGUAGES AND SKILLS

- *Software Skills* - Object oriented programming, agile development, Git
- *Languages* - Java, Python, JavaScript, C#
- *Machine Learning and Web Technologies* - Scikit-learn, NumPy, Pandas, CSS, HTML