Sarah Tan

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LANGUAGES AND SKILLS

- *Software Skills* - OOP, Git, REST, agile development, test-driven development, responsive design
- *Languages* - Python, JavaScript, C#, Java
- *Web Technologies* - Angular, React, .Net, CSS, HTML, SASS, SQL, MongoDB

WORK EXPERIENCE

Software Developer Intern | Geotab, Oakville, ON   May 2021 – Present
- Designed and implemented new features for the Geotab MyAdmin website using SQL, C#, and Angular
- Developed automated tests in accordance with established standards for new features and improvements
- Contributed to code reviews and participated in agile development practices including daily stand-up, responding effectively to fast-paced changes, backlog scrub and iterative improvements

Undergraduate Summer Research Intern | Western University, London, ON   May 2020 – September 2020
- Designed a 92% accurate electric vehicle charging and range prediction model 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 achieving the partner company's deadline

LEADERSHIP EXPERIENCE

VP of Technology and User Experience | eHacks, London, ON   May 2021 – Present
- Provided technical leadership to incoming developers through mentorship and code reviews and guided the team towards successful project delivery whilst ensuring high standards of software quality
- Collaborated with team members to plan, design, and develop the eHacks website using the MERN stack

Director of Education | Western AI, London, ON   June 2020 – April 2021
- 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

Varsity Athletics | University of Western Ontario Cheerleading, London, ON   May 2018 – April 2021
- 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 national championships

PROJECTS AND INTERESTS

InTouch | EnactusHacks, London, ON   October 2020
- Won best mental health hack for creating an app that pairs students based on personalities and common interests to encourage new friendships and support mental health
- Designed using Figma and implemented using the MEAN stack and a Python ML clustering algorithm

Interests | Coffee enthusiast, Hiking, Crocheting, Cheerleading, Baking

EDUCATION

Western University | Bachelor of Engineering Science, Software Engineering   Graduating 2023
- Deans honor list with 3.9 GPA (2019, 2020)
- Key areas of study and courses taken:
  - Algorithms and Data Structures (achieved 100%), Software Design, Web Technologies (achieved 100%), Database Management Systems