Sharon He
www.sharonhe.me

✉ sharonhe.1@uwaterloo.ca
○ xsharonhe
in sharon-he-4214541ab

Skills
Languages: Python, Javascript, Java, C, SQL, HTML/CSS,

Platform and Technologies: TypeScript, NodeJS (+ Express), React (+Gatsby), MongoDB, Django REST framework, Git, Pandas, Scikit-Learn, TensorFlow

Education
University of Waterloo, Bachelor of Software Engineering, B.S.E.   Sept. 2020 - 2025
- GPA: 4.0

Experience
CheaprEats, *Software Developer Intern*   Aug. 2020 - Present
- Built extensible store hours operation and clientele management system used by 30+ vendors using **React, TypeScript, Styled Components, GraphQL,** increasing customer outreach by 8%
- Led front-end architecture and built draggable components for virtual receipt builder using **react-beautiful-dnd** and **react-table**

Elucidate AI, *Data Science Intern*   Oct. 2020 - Dec. 2020
- Built a **Decision Tree** classifier to predict if a potential buyer would become a purchaser with 73% accuracy and 76% AUC ROC score
- Designed and built a workflow to automatically combine over 1,000,000+ rows of data, saving over 80+ hours of dev time
- Developed a **K-Means** classifier to identify purchaser behaviour trends, increasing client sales by 12%

XNM Creations Inc., *Intern*   Nov. 2018 - Sep. 2020
- Created profit and loss reports, inventory management systems, and keyword adveritising analysis, decreasing ACoS by 10%, using **Excel** and **Python**
- Developed and maintained company website using **JavaScript, jQuery, and Liquid**, serving 20,000+ customers anually
- Consulted on the development on their financial API tools using **Python and PostgreSQL**

Coronavirus Visualization Team, *Lead Technological Analyst*   Jun. 2020 - Sep. 2020
- Led a team of 8 to investigate the impact of the oil industry on aviation during COVID through data visualizations
- Web scraped from international embassy websites for travel advisory website, increasing efficiency by 400%
- Created a **Python** script to clean large Twitter datasets, reducing workload by 200%, and using the VADER library to perform sentiment analysis

Projects & Awards
BridgeIT, *Google Cloud APIs, React, Scikit-learn, SQL, Django*   https://bit.ly/39xEQTU
- Awarded Best Overall Hackathon at SheHacksV with over 100+ project submissions and 650+ participants
- Led and developed a machine platform, connecting remote communities with local health organizations to encourage donations of excess medical supplies

Open Door, *TypeScript, Django, VADER, NLTK, PostgreSQL*   https://bit.ly/3osU6r7
- Data-driven platform that helps students find their ideal rental suiting their unique budget and preferences
- Designed a VADER and Django REST API workflow to implement the recommendation engine and analytics platform

ICDC 1st Place in Virtual Business Challenge, *DECA Inc.*   2018, 2019
- Placed first at the DECA International Career Development Conference out of 3,000+ students

Publication
Healthcare Automation in COVID-19 (Nov. 2020). Golden Meteorite Press. Supervised by Dr. A.   https://bit.ly/38ooLzj
Mardon.