

MARY ZHAO

📧 mariimao | 🌐 Mary Zhao | 📧 mariimao.com | ✉️ mary.zhao@mail.utoronto.ca | 📞 +1 647-867-8676

EDUCATION

University of Toronto

Bachelor of Science in Computer Science and Data Science (Switched)

Sep. 2022 - Aug. 2024

Bachelor of Information (Expected)

Sep. 2024 - May 2026

Relevant courses: Linear Algebra. History and Philosophy of Technology. Statistical Reasoning. Algorithms. Data Structures. Data Science I. Probability and Statistics. Software Design. Computer Organization.

SKILLS

Design: Adobe CC (Photoshop, Illustrator), Figma, Canva

Software Development: HTML, CSS, Javascript, Bootstrap, Java, Python, Github, VS Code, MongoDB

Data Science: R, NumPy, Pandas, Matplotlib, SciPy, Scikit-learn, PowerBI, Tableau, NLTK

Teamwork: Microsoft Office, Google Workspace, Agile, Miro, Asana

LEADERSHIP ROLES

Orientation Leader, Office Operations

Sep. 2023 - Present

Computer Science Student Union

Toronto, ON

- Promote a sense of community among Computer Science students at the University of Toronto.

Digital Media and Communications Coordinator

Sep 2023 - May 2024

Vic Arts and Culture Commission

Toronto, ON

- Planned and advertised annual art and culture celebration, attracting 317 participants.
- Designed engaging social media posts using Figma, increasing engagement by 25%.

EXPERIENCE

Web Assistant (Work Study)

May 2024 - Present

University of Toronto Communications

Toronto, ON

- Maintained and updated university websites, ensuring content accuracy and relevance.
- Assisted in the design and implementation of web pages, enhancing user experience and accessibility.
- Collaborated with team members to develop and publish engaging digital content.

Youth In Policing Initiative

Sep. 2021 - Dec. 2021

Toronto Police Services

Toronto, ON

- Created key presentations regarding the division's mission, vision and core competencies to present to community ambassadors and leaders to promote diversity.

PROJECTS

SmartSudoku — Java, MongoDB, REST APIs

Sep 2023 - Dec 2023

- Implemented MongoDB integration for efficient data access.
- Developed REST API for leaderboard and Spotify use cases.
- Utilized Java Swing GUI for optimized usability and responsiveness.

Iron Abundance of Red Giant Stars — R, JupyterHub

Feb 2023 - Apr 2023

- Conducted data analysis on APOGEE database to explore star age and iron abundance correlations.
- Presented findings through conference-style poster and technical report.

MediBridge — Figma, Market Research

March 2024 - March 2024

- Designed paper prototype on Figma for MediBridge, a platform aimed at improving communication between doctors and nurses.
- Conducted market research to identify user needs and preferences, informing product design decisions.

Twitter Bot Detector — Python, Skikit-learn, Natural Language Processing

March 2024 - March 2024

- Used machine learning models to predict whether or not a tweet was made by a bot.
- Cleaned and prepared dataset for training. Explored various methods in order to get the best model.