

Yiyun (Yvonne) Zhang

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Education

University of Toronto

Sept 2022 – Present

Bachelor of Science in Double Major of Computer Science & Statistics

- GPA: 3.43/4.0

Extracurricular Learning

- Introduction to Generative AI, Coursera
- Machine Learning Specialization by Andrew Ng, DeepLearningAI

Experience

Associate of the Conference Team

Toronto, Canada

University of Toronto Artificial Intelligence Group

May 2024 – present

- Organized UofT AI's annual conference: event logistics, speaker coordination, and attendee management.
- Worked collaboratively to create a comprehensive event timeline, ensuring timely and efficient execution.
- Directed communication with 20 guest speakers, provided preparation assistance, and facilitated a smooth and professional presentation experience.

Software Developer Intern

Toronto, Canada

My Learning Space AI

May 2023 – Sept 2023

- Collaborated with a PhD supervisor to build the backend of a web-app using **Python** and **Fast API**.
- Developed frontend/UI features collection of personal information, intelligent recommendation on colleges, evaluation of success rate, optimization feedback using **JavaScript** and **CSS**.
- Automated student evaluation data with **SQL scripts** and created AI report. Work greatly improved user experience and attracted **9%** of customer increase.

Technical Projects

LeetBot - LeetCode Problem-Solver Chatbot

[LeetBot](#) 

- Developed a chatbot that assists users in solving LeetCode problems, using **Vite**, **React**, and **TypeScript**.
- Preprocessed and tokenized problem descriptions to clean and prepare inputs for model training.
- Fine-tuned GPT-4o model to generate code solutions, deployed the model onto using Fast API .

safeTO - Toronto Crime Data Visualization Project

[safeTO](#) 

- Developed a crime map web-app showcasing Toronto neighborhood crime data, utilizing **React**, and **Javascript**.
- Built interactive frontend features, including user registration, login, and profile management integrated with backend services (**SQL** database); implemented automated email alerts and **Python-generated charts** for reporting crime data.

Canada Covid-19 Mortality & Vaccinations Map

[CCM](#) 

- Designed an interactive Canada COVID-19 Vaccine Map to visualize vaccine distribution across provinces.
- Utilized JavaScript, HTML, and CSS to build the user interface and ensure responsiveness across devices.
- Integrated data visualization libraries, such as **Chart.js** or **D3.js**, to present real-time data effectively.
- Connected APIs for dynamic data fetching and ensured seamless updates to reflect the latest statistics.

King County Housing Price Analysis Project

[KCHPA](#) 

- Conducted an in-depth analysis of housing prices in King County using a dataset of 21,613 observations.
- Applied **Multiple Linear Regression (MLR)** to assess the impact of features such as bedrooms, bathrooms, living space, and waterfront status on house prices; employed **log transformations** and **Variance Inflation Factor (VIF)** for robust modeling; and evaluated model performance with metrics like **AIC**, **residual plots**, and **Normal Q-Q plots**, achieving actionable insights for real estate pricing trends.
- Visualized results with **R** to demonstrate the relationships between variables, highlighting factors with the most influence on housing prices.