

# Xiaotong Shen

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## Education

### University of Toronto

May 2028

Intended BS in Data Science

- GPA: 3.7/4.0
- **Relevant Coursework:** Mathematical Expression and Reasoning for Computer Science, Intro to CS, Intro to Statistical Reasoning and Data Science, Calculus with Proofs, Linear Algebra

## Experience

### Software Developer

Remote

PickmyPeer

Jan 2025-Present

- Developed responsive and dynamic user interfaces using the React framework for both mobile and web applications.
- Optimized application performance through state management and efficient rendering techniques.
- Integrated APIs and third-party libraries to enhance app functionality.

### Web Developer

Remote

Freelance

2024 Summer

- Used React.js to design and landing pages for small companies.
- Used GSAP library to implement animations for portfolio sites.
- Used Figma to create mock-up designs of landing pages and portfolios.

### Tutor

Burlington, ON

Silong Academy

Seasonal 2023-2024

- Prepared course material for 1 on 1 tutoring in various subjects.
- Mocked-interviewed students for Canadian private school applications.

## Projects

### Analyzing Mental Health in International Students

- Analyzing and visualizing the risk of mental health problems occurring in international students studying in America.
- Tools Used: SQL, Python

### Package Delivery System

- Analysed and implemented an algorithm to model the package delivery system in Canada.
- Tools Used: SQL, Python

### Weather Predicting Algorithm

- Used Machine Learning models in Python to generate a prediction of weather patterns in Canada from national data.
- Tools Used: SQL, Python

## Technologies

**Languages:** Python, R, SQL, JavaScript

**Technologies:** Adobe Creative Suite (Photoshop, Illustrator, XD...), Figma, Excel