

# Youyou Guo

toronja.guo@mail.utoronto.ca

## EDUCATION

---

### University of Toronto

*Computer Science Specialist, Statistics Major*

2024.09 - 2028.09

- GPA: 4.0 / 4.0
- **International Merit Admission Award**, 50,000 CAD
- Relevant courses: CSC110 (A<sup>+</sup>), CSC111(A), STA130(A<sup>+</sup>)

## COMPETITION PROJECT

---

### International Quant Championship

*WorldQuant BRAIN*

2025.03 - 2025.08

- Developed a python program to **automatically form and submit** alphas
- Achieved **top 20 % globally** in stage one
- Worked as a team of two

### COMAP Mathematical Contest in Modeling (MCM) 2025

successful participant

*Optimizing 2028 Olympic Games Predictions Using Advanced Machine Learning Techniques*

2025.01

- Developed a mathematical model to **predict Olympic medals** for 2028
- Applied **random forest** and **neural networks**
- Presented findings in a 24 page **formal research paper**
- Worked as a team of three

## COURSE PROJECT

---

### STA130 Introduction to Data Science

A<sup>+</sup>

*Maximizing Client Participation in WellSpring*

2025.03 - 2025.04

- Utilized decision trees to develop **personalized advertising models**
- Delivered multiple **oral presentations** to large audiences
- **Led** a team of four

### CSC111 Foundations of Computer Science II

A

*Banking Fraud Detection using Graph Theory*

2025.02 - 2025.03

- Applied classification methods to **detect fraudulent transactions**
- Utilized Python and the Plotly library to create an **interactive graph**
- Worked as a team of four

## VOLUNTEER

---

### MAT223 Volunteer Peer Mentor

2025.05 - 2025.06

- Supported students' academic success by answering student questions during office hours and lectures

### MAT224 Volunteer Notetaker

2025.01 - 2025.03

- Supported students with disabilities by delivering and uploading comprehensive notes

### Reading for the blind

*Volunteer program aimed at helping blind people*

2019.12 - 2021.06

- **Recruited and led** a group of up to 200 people
- Managed 3 classic audiobooks and multiple short stories on the internet for **general access**

## SKILLS

---

**Technical:** python, R, Git, HTML, CSS, java, office suite, swift

**Finance:** AMAC level I

**Sports:** taekwondo (10 years)

June 19, 2025