# Xiangyu (Terry) Tu

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### **EDUCATION**

#### University of Toronto

Toronto, Canada

Computer Science Specialist, Statistics Major with ASIP

Sept. 2020 - May 2025 (Expected)

- CGPA: 3.93/4.0
- Honors/Awards: Dean's List Scholar in the Faculty of Arts Science of the 2020-2023 academic year, Bennett Scholars (\$8000) of the year 2021-2022
- Major Course Work: Software Engineering, Database Design, Web Programming, Algorithm, Artificial Intelligence, Machine Learning

#### TECHNICAL SKILLS

Languages: Python, Java, C, HTML, CSS, JavaScript, MIPS Assembly, R, SQL, Shell

Frameworks: React, Node.js, Django, Django REST framework, Docker

Developer Tools: MS Office/Excel, Git/GitHub, Gitlab, Postman, Figma, Overleaf, Linux, Markdown

#### Intership Experience

### Huawei Technologies Canada Co., Ltd.

May 2023 – Current

Markham, Canada

- Cloud Database Dev Ops Engineer
  - Served as a lab assistant in the development of the "Backtracking" module for the GaussDB project.
    Deployed the project in production setting for performance evaluation by installing all required components using

pipeline test using Shell scripts and Crontab in Linux to pull and build the most recent version for testing.

- Docker and Shell scripts.

   Designed and implemented a diverse set of database performance test cases using Shell scripts. Developed a nightly
- Using GitLab for writing weekly reports and opening new issues found, and Excel for data analysis.

#### PROJECTS

#### Frontier College Volunteer Tracking Web Application — Project Link

Sept 2022 – Dec 2022

Skills Utilized: React, Node.js, Heroku, Git

- Contributed to a team of six U of T Computer Science students in designing and implementing a web application for volunteer tracking, in partnership with Frontier College.
- Developed key features including user registration, login, homepage, notification center, experience page, calendar page, and a profile page.
- Deployed the application on Heroku and managed project version control using GitHub.

### Restify Web Application — Project Link

Jan 2023 – Apr 2023

Skills Utilized: Django, React, REST APIs

- Developed Restify, an accessible online platform that simplifies searching, booking, and rating short-term accommodations, and helps property owners showcase their rental spaces and manage reservations.
- Employed Django for backend development with REST APIs, and React for an intuitive frontend experience.
- Managed project version control using GitHub.

#### Extracurricular Activities

#### New College House Council

Toronto, Canada

House Representative

Sept 2021 - Apr 2022

- Leveraged problem-solving skills in organizing creative and interactive activities within a limited budget, improving community engagement.
- Regularly convened with dining hall management to enhance residents' dining experience, demonstrating strong communication and negotiation skills.

## SKILLS & INTERESTS

Languages: English, Mandarin, Japanese

Interests: Clarinet (Performed in Markham Theatre, York University, University of Toronto in Symphonic Winds); Swimming (Worked as a swim instructor at the community center); Video Games (massive fan of Steam, experiences developing games using Greenfoot)