

# STEPHEN TANG

☎ 647-300-0523

✉ [sw2tang@uwaterloo.ca](mailto:sw2tang@uwaterloo.ca)

🌐 [LinkedIn](#)

🐙 [Github](#)

🌐 [Website](#)

## Education

### University of Waterloo

*Bachelor of Software Engineering (GPA: 3.34)*

September 2024 – May 2029

Waterloo, Ontario

### Relevant Coursework

- Digital circuits, Linear circuits, Introduction to Data Abstraction and Implementation

## Technical Skills

**Languages:** Python, Java, C/C++, C#, HTML/CSS, SQL, GDScript, React, JavaScript

**Developer Tools:** VS Code, Android Studio, Godot, Unreal Engine, Unity, MS Office, PowerBI

**Technologies/Frameworks:** Linux, Bash, GitHub, Netcat, Vosk, Raspberry Pi, Ubuntu, Microsoft Azure

**Certifications:** Standard First Aid/CPR-C, Microsoft Certified: Azure Fundamentals

## Experience

### Brick Works Academy

*Robotics Instructor*

June 2025 – Present

Toronto, Ontario

- Mentor and lead up to 25 students weekly
- Teach basics of Lego Robotics and Game Development

### University of Waterloo

*UW Game Dev Club Member*

September 2024 – Present

Waterloo, Ontario

- Created “Cyber City”, a 2D platformer game, set in a futuristic cyberpunk world, using Godot engine and GDScript
- Demonstrated creativity through game ideation, design, programming, and artwork

*UW Orbital Software Developer*

October 2024 – Present

- Responsible for code that allows the satellite to take pictures of various places on Earth from space, in real-time
- Assisted other team members with code integration

### University of Toronto Schools

*VEX Club Executive*

January 2023 – April 2024

Toronto, Ontario

- Responsible for build and design of robot
- Managed club of over 80 members
- One of 408 teams internationally to qualify for the 2024 VEX Worlds Competition in Dallas, Texas

## Projects

### Voice Controlled Wheelchair | Python, Vosk, Netcat 🐙

September 2024 – December 2024

- Led creation and development for a model wheelchair capable of responding to user voice commands, using AI
- Responsible for software to hardware integration

### Arachn0id | Unreal Engine 🌐

February 2025

- Developed a single-player survival game for the 2025 UWaterloo Winter Game Jam with 209 views
- Responsible for the responsive character controller and the creation of unique weapon systems
- Collaborated with team of 6 to create intelligent enemies, capable of reacting to user decisions

## Leadership/Extra-Curriculars

### University of Toronto Schools

*Competitive Trivia - Captain*

September 2021 – June 2024

Toronto, Ontario

- Responsible for the recruitment, training, and organization of the UTS Trivia Team
- “Reach for the Top” Champion, 2023, 2024
- “Consensus Trivia National Champion”, 2023, 2024

### University of Waterloo

*Competitive Trivia*

September 2024 – Present

Waterloo, Ontario

- Participant in the Consensus Trivia Post-Secondary Circuit

### Willowdale Hockey Club

*Competitive Hockey*

September 2012 – June 2024

Toronto, Ontario

- Player for the Willowdale Hawks Single A and Select Team
- Referee for Willowdale Hockey Club House League (2022 - 2024)
- Assistant Coach for Willowdale Hockey Club Learn To Play (2021 - 2024)