

# Stefan Tuczynski

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## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, HTML, CSS, JavaScript

**Developer Tools:** Git, Github, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Technical:** Arduino, Raspberry Pi, Tinkercad, STM32

## EXPERIENCE

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### Website Manager

Sept 2021 – Aug 2023

*Crafting for a Cure*

Thornhill, ON

- Updated website using Webflow by implementing changes requested by the charity founder
- Worked in a team with the company Infinidiv to discuss changes made to the website
- Used Canva to update graphics with new information about the requested changes

### Design Leader

June 2021 – June 2023

*FTC Team 19946 - Team Titans Robotics*

Markham, ON

- Developed 3D robotic components using OnShape to support mechanical subsystems for the team robot
- Worked in a mechanical subteam of **5+** people to coordinate the robot's design in under 2 months
- Planned CAD workshops and taught OnShape fundamentals to **100+** students

### Computer Science Club Co-President

Oct 2022 – June 2023

*St. Augustine Catholic High School*

Markham, ON

- Taught computer science principles to **70+** students to prepare them for the Canadian Computing Competition
- Coordinated a cross-school programming competition with **5+** schools in Toronto and York Region
- Worked in a team of 9 other executives to plan and teach beginner to advanced programming workshops

## PROJECTS

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### Autonomous Car | *Python, Raspberry Pi, HTML*

Dec 2022 – Jan 2023

- Developed a controllable and autonomous car using a Raspberry Pi micro-controller programmed with Python
- Designed a webpage using HTML that controlled the motion of the car
- Used photoresistors and ultrasonic sensors to estimate the odometry of the car
- Designed the shell of the car to withstand external forces using composite materials

### AnimeList App | *Java, JavaFX*

June 2023 – Aug 2023

- Designed and developed a JavaFX application that processes Anime data from a CSV file to display to users
- Implemented sorting algorithms to change the view of the Anime data in a displayed list
- Designed a UI/UX application that considers user interaction and experience
- Designed an algorithm that processes user-inputted data to control a bar and circle chart

## EDUCATION

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### University of Waterloo

Waterloo, ON

*Bachelor of Applied Science in Computer Engineering*

Sept 2023 – Present

- President's Scholarship

### St. Augustine Catholic High School

Markham, ON

*Ontario Secondary School Diploma*

Sept 2019 – June 2023

- Highest Achievement Award for Grade 12 Computer Science (ICS4U)
- Highest Achievement Award for Grade 12 Computer Engineering (TEJ4M)
- Chem 13 News Exam Certificate of Distinction