# Tirth Patel

Computer Science Student
*Legally Eligible to Work/Live In the United States & Canada*

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Portfolio Website
GitHub Link
LinkedIn Link

## Experience

### Hackathon Team Leader, NWHacks – [GitHub Link]

01/2021

Worked on backend/middleware for our web-app VolunteerMe, a portal for organizations to post volunteering opportunities for prospective volunteers to see and apply to.

Used Flask-SQLAlchemy and WTForms for the backend/middleware and Jinja for the frontend.

### Hackathon Team Leader ($1000 Prize), OurWaveHub

09/2018

Led my team in the delivery of our SchoolTech Robot project, resulting in our first-place win.

Sped up the project's work period by 25% by delegating tasks to different team members based on strengths and weaknesses.

### Robotics Team Leader, Jean Augustine Secondary School

09/2018 - 04/2019

Identified plans and resources required to meet project goals by setting realistic timelines for the competition (Arduino parts, code, etc.).

Increased team morale and efficiency by delegating work such as wiring, coding, soldering, etc.

Oversaw both hardware and software sides of the team polishing it for competition, whilst spearheading the coding side with C.

### Swimming Instructor, Cassie Campbell Community Centre

01/2018 - 06/2018

Explained and demonstrated swimming skills in my classes.

Solidified leadership skills by conducting lessons for approximately 7-8 students.

Greatly developed teamwork/communication skills by engaging in joint lifeguard exercises with colleagues.

## Skills

Java, Python, C, C++ (Familiar), Flask (WTForms, Flask-SQLAlchemy), NodeJS, ExpressJS, HTML/CSS/JS

Git, VSCode, Unit Testing, Bash, Unix, SVN

## Projects

### Mock Shell – [GitHub Link]

Console-based Java program that used a custom data structure to resemble a computer's filesystem with capabilities to store data

Used Scrum development process with weekly scrum meetings and sprints during the development phase

Common Linux shell commands were implemented such as cd, mv, ls, tree, etc.

### Socket Server – [GitHub Link]

Server created in C using socket programming and select to handle multiple clients

### Sudoku Solver – [GitHub Link]

Recursive Python program that utilizes backtracking to find a solution to given Sudoku puzzle

### Many More On GitHub! – [GitHub Link]

## Education

### University of Toronto, Scarborough — *Computer Science*

2019-2023

Applicable Courses: Software Design, Linear Algebra, Software Tools and Systems Programming