Tirth Patel

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

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https://programtp.github.io (Portfolio Website)
https://github.com/ProgramTP
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Experience

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.

Hackathon Team Leader, Techstars

11/2018

Coordinated a presentation for team members detailing project scope, progress, and goals resulting in a 50% speed increase in comparison to our previous Hackathon's brainstorming phase.

Created QuickNotes; a platform to allow students to upload their notes for peers.

Sold our application through a pitch to Hackathon coordinators.

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), Bash, Unix, SVN, HTML, CSS, JavaScript, Git, VSCode, Unit Testing

Projects

Mock Shell

https://tinyurl.com/y3arxocc **(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

https://tinyurl.com/y2xjrbdg **(GitHub link)**

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

Sudoku Solver

https://tinyurl.com/yxcov597 **(GitHub link)**

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

Many More On GitHub!

https://github.com/ProgramTP

Education

University of Toronto, Scarborough — *Computer Science*

2019-2023
GPA: 3.12

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