Tirth Patel

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

647-323-8174
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Portfolio Website
GitHub Link
LinkedIn Link

Experience

Incoming Software Engineer Intern, Avenu - [Company](#)

03/2021 - 05-2021

Starting backend internship for Avenu, and will work on Flask API.

Hackathon Team Leader, UofTHacks - [FrontEnd](#)– [BackEnd](#)

01/2021

Worked on the backend for our web-app QuickConnect, a twitter-like platform allowing users to post their financial/mental health questions and receive comments/feedback.

Used NodeJS and Natural Language Processing to prevent hate speech comments from being posted.

Hackathon Team Leader, NWHacks - [GitHub Link](#)

01/2021

Worked on the backend 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.

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, .NET Core (Familiar)

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

Projects

OAuth 2.0 Implementation– [GitHub Link](#)

Google and GitHub OAuth 2.0 login implementation using ExpressJS & NodeJS

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

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