

Vivek Patel

3RD YEAR COMPUTER SCIENCE STUDENT

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Skills

Programming | Python (4+ years) • Java (3+ years) • C++ (2+ years) • JavaScript • C# • PHP • .NET • React
Web & Database | HTML5 • CSS • PostgreSQL • MySQL
Development Tools | Git • Postman • Agile Methodology (SCRUM)
IDE & Technologies | Eclipse • IntelliJ • Pycharm • Visual Studio Code • JUnit Testing • Unix • Kali • API • Django

Education

University Of Toronto

Ontario, Canada

B.S. IN COMPUTER SCIENCE 3.3/4 GPA

Sept. 2019 - Apr. 2024

- Currently a third year specializing in Computer Science
- Deans Scholar Award (2021)

Related Coursework:

- Software Design - Git, Java, Scrum, Version Control, Software Design Patterns
- Computer Organization - Digital Logic, CPU Architecture, Circuits, Assembly Programming
- Data Structure - Algorithms, Runtime Analysis, Heaps, ADT
- Computer Organization - CPU Architecture, Circuits, Assembly Programming
- Operating System - Processes and Threads, Synchronization, Scheduling, PC architecture, Linux Development

Projects

ScoreboardX

Ontario, Canada

REACTJS, HTML, CSS, NODE JS AND AMAZON FIREBASE

Dec. 2020 - Jan. 2021

- Developed a real-time sports scoreboard web app using ReactJs, Node.js and Axios with data retrieved from API calls to the NBA database
- Displayed the data retrieved from the API call to create scorecards for each game taking place on the current day
- Deployed and hosted web app on Amazon Firebase

Transit System Simulation

Ontario, Canada

CREATED IN JAVA

Dec. 2020 - Jan. 2021

- Worked in a team of 4 to create a transit system simulator, which also managed cost and overall revenue of the system.
- Applied OOP concepts with different design patterns.
- Held daily SCRUM meetings, and used Github for version control.

Closest 2D Points

Ontario, Canada

CREATED IN C

April. 2021 - Jun. 2021

- Used the Divide and Conquer algorithm to find the closest pair of points on a 2D plane
- Took advantage of multiple CPU cores by running multiple processes in parallel to increase run time by over 200%
- Gained expertise in working in C

File System Visualizer

Ontario, Canada

CREATED IN PYTHON AND PYGAME

July. 2020 - Sept. 2020

- Used Abstract Data Trees to model and display the given file system, then used Pygame to render visuals for each folder/file depending on how much space was utilized .
- Further strengthened python skills and data structures as well as gained experience working with python modules such as Pygame.

Experience

Solutions

Ontario, Canada

SALES ASSOCIATE

Jun. 2019 - Sept. 2019

- Worked as a sales associate in Solutions. Managed all retail duties including cashier work, restocking inventory and customer communication
- Helped customers by responding to inquires and location products
- Provided outstanding customer service and further strengthened interpersonal and communication skills