

Dhruvin Patel

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SUMMARY OF QUALIFICATIONS:

- Strong programming skills in multiple languages gained through the creation of numerous solutions to user-specific problems efficiently and with high quality.
- Experienced in the use of applications that also test programs to ensure user-friendliness and ensuring clients are fully satisfied by utilizing user-queries
- Fluent verbal and written communication skills developed through 3 years of leading the Toast Masters program and public speaking.
- Excellent time management skills, both professionally and academically, as seen by the completion of high-quality work in a short time period.

RELEVANT EXPERIENCE:

Graph/Algorithm Based Programs:

- Produced a highly efficient program that substitutes ingredients used in the recipe, with queries, and other operations within a 400 x 400 adjacency matrix/list utilizing powerful tools like recursion and algorithms like BFS and DFS.

Unit-testing Programs:

- Provided programs that allow the client to use the program to improve their code but also provide test cases that continuously pick up parts of code that may not function as desired.

GUI Project:

- Increased time efficiency of a coding project with high quality through creating a schedule/plan on how to tackle the situation and effectively taking advantage of teamwork resulting in a complex traffic-intersection simulation.

More Upon Request

Programming Skills: C, Python, C++, Java, Javascript, CSS, etc.

- Using **Graphs** and **Recursion** efficiently, both space and time complexity wise
- Work with **Binary Search trees** to create a music synthesizer that creates new notes and harmonizes any music that is processed
- Advanced-level quality work with a **linked list** to create a sophisticated Movie Database that can adhere to the user's choice and preference
- Knowledgeable of API to create code easy to; manage/use, test rigorously and ensure it's error-free, improve and scale as needed.

EDUCATION:

University Of Toronto

Computer Science, Bachelors of Science (Coop)

2021-Present

- Cumulative GPA: 3.6
- Awards: University of Toronto Entrance Scholarship (\$3000)