Guneet Bola

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Education

University of Waterloo

Sep. 2020 – Expected May 2025

Honours Bachelor of Computer Science - GPA: 3.9

Waterloo, Ontario

Relevant Coursework: Elementary Algorithm Design and Data Abstraction, Object-Oriented Software Development

Technical Skills

Languages and Frameworks: Python, C, C++, R, React.Js, SQL, HTML, CSS, Flask, Bootstrap, Racket Tools and Technologies: Git, Figma, Visual Studio Code, GitHub, Netlify

Work Experience

Software Developer (Co-op)

May 2021 - Aug. 2021

University of Waterloo - WIL Programs

Waterloo, Ontario

- Developed course features in interactive course catalogues to improve participation for 1000+ students in 15+
 courses.
- Designed mockups for 10+ website components using Figma to improve the UI/UX of multiple courses.
- Improved front-end design by completing 20+ user-tests and integrating website enhancement recommendations.
- Optimized code and improved accessibility by integrating ARIA labels and alt tags across all applications.

Mathematics and Science Tutor

Jul. 2019 - Jul. 2020

MathMagician Inc.

Brampton, Ontario

- Supported and created lesson plans in mathematics and science for students of all ages with 100% satisfaction rate.
- Achieved an increase in student grades by at least 10% by encouraging curiosity to learn in a supportive environment.

Projects

Chess $\mid C++$

- Designed and developed a multi-level, two-player chess game with human and computer options using **object-oriented** design principles.
- Created a \mathbf{GUI} using XQuartz by improving efficiency by $\mathbf{10\%}$ and implemented text-display to enhance the game's \mathbf{UI}/\mathbf{UX} .

Artist Search | • HTML, CSS, Bootstrap, React. Js, REST API

- Developed a search engine used by 30+ users with the ability to search 100,000+ artists from around the world.
- Implemented the Spotify REST API containing information on artist's top music, genres, and biographical data.
- Provided users with the ability to access all musicians' information on one platform and listen to their top tracks.

- Programmed an interactive stock market platform where users can mock-trade 1000+ stocks in real-time.
- Implemented login and registration user-authentication using SQLite and Flask.
- Leveraged a stock market API to facilitate stock market queries with real-time information.
- Granted users the ability to examine and identify their current shares and past history.

Leadership / Extracurricular

Microsoft Student Ambassador

Oct. 2021 - Present

Microsoft Cooperation

• Worked towards providing educational resources to students in the local and school community to facilitate technological education.

Logistics Executive

Jun. 2021 – Present

University of Toronto Hackathon

Toronto, Ontario

- Planned the logistics of a hackathon with 100+ participants to enable software and design education.
- Identified and examined relevant and innovative technologies to organize **4+ workshops** led by industry leaders and a meaningful hackathon for students from all educational backgrounds.

Class Representative

Feb. 2021 - Present

Computer Science Club

Waterloo, Ontario

- Advocated for 800+ Computer Science students at the University of Waterloo to ensure that they receive the necessary educational resources and social opportunities.
- Collaborated with others to create engaging events that improved participation by at least 10% to strengthen the tech community at the University of Waterloo.