

# GUNEET BOLA

647-987-5343 | [gbola@uwaterloo.ca](mailto:gbola@uwaterloo.ca) | [Portfolio](#) | [LinkedIn](#) | [GitHub](#)

## Technical Skills

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**Languages and Frameworks:** Python, C++, C, C#, JavaScript, React.Js, Angular.Js, SQL, HTML, CSS, Flask, R, Bootstrap

**Tools and Technologies:** Git, Visual Studio Code, GitHub, Microsoft Office

**Product Management:** Agile, Azure DevOps, Figma, Jira, Confluence

## Education

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### University of Waterloo

Sep. 2020 – Expected May 2025

Honours Bachelor of Computer Science – GPA: 3.7

Waterloo, Ontario

**Relevant Coursework:** Data Structures & Data Management, Object-Oriented Software Development (C++), Algorithm Design & Data Abstraction (C)

## Work Experience

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### Full-Stack Developer

May 2022 – Present

BDO Canada LLP.

Oakville, Ontario

- Designed and developed **20+** features in **C#, SQL, Angular.Js, and HTML** such as C# .Net PDF generation and the full-stack implementation of obtaining and managing form data from users.
- Analyzed and resolved **100+ defects** which reduced program crashes and errors caused in the application by **40%**.
- Utilized and managed a **SQL BLOB storage** database with over 40+ tables to effectively organize and query user information using **10+** stored procedures.
- Tested backend, **REST API**, functionality in **Swagger UI** and resolved multiple bugs which improved the efficiency of testing by **over 35%**.
- Collaborated in an **agile development team** of 15 using the Azure DevOps environment and Git visual studio by participating in sprint planning/review sessions, scrum meetings, and defect triages.
- Translated business requirements into full-stack features and solved issues in the application by connecting with clients and comprehending their needs.

### Software Developer

May 2021 – Aug. 2021

University of Waterloo – WIL Programs

Waterloo, Ontario

- Developed course features in interactive course catalogues to improve participation and redesign the virtual educational experience for **1000+ students** in **15 courses**.
- Designed and programmed **10+ Figma** mockups using **HTML, CSS, and JavaScript** to redesign current courses.
- Optimized JavaScript code and improved the maintainability, scalability, and accessibility of **20 webpages**.
- Improved UI/UX by conducting and analysing **20+ user-tests** and integrating website enhancement recommendations.
- Introduced and developed new, responsive features such as flip-cards, popovers, and cards from start-to-finish.
- Researched and presented an individual report to introduce collaborative coding platforms including **Git version control** to improve software development efficiency in the team.

### Mathematics and Science Tutor

Jul. 2019 – Jul. 2020

MathMagician Inc.

Brampton, Ontario

- Created mathematics and computer science lesson plans for students of all ages with **95%** satisfaction rate in a fast-paced environment.
- Achieved an increase in student grades by at least **7%** by encouraging curiosity to learn in a supportive environment.

## Projects

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### Chess | C++

- Collaborated to design a detailed UML diagram to develop a multi-level, two-player chess game with computer player options using **OOP** design principles and **Git** to achieve a **90%** satisfaction rate.
- Created a **GUI** using XQuartz by improving efficiency by **10%** and implemented text-display to enhance the **UI/UX**.

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

- Utilized the **Spotify REST API** to develop a search engine with the ability to search **100,000+ musicians**.
- Created Figma mockups and implemented Bootstrap using front-end design principles to improve UI/UX experience.
- Provided **30+ users** with the ability to access all musicians' information and listen to their top tracks on one platform.

### Stock Trader | | Python, Flask, HTML, CSS, SQLite

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