

Raghav Arora

Burnaby, British Columbia
6462033066 | raa87@sfu.ca

Skills

Languages: Python, C, C++, Swift, JavaScript, HTML5, CSS3, Object Oriented Programming, SQL

Tools: Visual Studio Code, Microsoft Office, Version Control, Git/GitHub, DBvisualizer, MySQL

Leadership Skills: Adaptability, problem-solving

Projects

CGPA Calculator

- Developed a C++ application to compute cumulative GPA through manual input or by parsing GPA data from a file
- Implemented efficient file handling and input validation techniques to enhance usability and reliability
- Utilized modular programming principles to design reusable functions for GPA calculation and file scanning

Music Playlist Manager

- Developed a C++ application using object-oriented programming principles to manage a music playlist through a custom implemented linked list data structure
- Implemented comprehensive error handling and memory management techniques to prevent memory leaks and ensure data integrity
- Created an interactive command line interface allowing users to manipulate playlist entries while maintaining proper encapsulation between the user interface and underlying data structure

Blackfoot Language Learning App

- Built an interactive Blackfoot language learning app with Python and Pygame.
- Integrated audio-visual aids and customizable features for an engaging user experience
- Applied CSV data handling to integrate vocabulary lists with images and audio

Experience

Sales Associate,

Cookies Department Store, New York, USA

July 2023 - August 2023

- Actively listened to customer inquiries and concerns, resolving issues promptly and effectively to maintain customer satisfaction
- Collaborated with team members to ensure the store's inventory was organized and readily accessible for customers
- Utilized excellent communication skills to engage with customers and establish a positive rapport

Student Engineer,*December 2021 - June 2023*

Google's Code Next Program, New York, USA

- Engineered the Useless box using Arduino and C++ programming language
- Employed graphic design techniques to create and alter existing images and logos; designed and presented a conceptual logo for the 2026 World Cup as part of final project
- Collaborated with Google employees on IOS development, gaining hands on experience with Swift programming, UI-UX design and app debugging process

Education

Simon Fraser University

Burnaby, British Columbia

Sophomore

Major: Computer Science**GPA:**3.17/4.0**Relevant Coursework:** Python Programming, Object Oriented Programming, Linear Algebra, Data Structures and Algorithms, Software Engineering (in progress), Probability and Computing (in progress)