

# Aarham Haider

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## TECHNICAL SKILLS

**Languages:** C#, C/C++, Python, HTML/CSS, JavaScript/Typescript

**Technologies:** Git, ASP.NET Core, WPF, Azure, SQLite, NUnit, Docker, React/React Native, Node.js, Linux

## EDUCATION

**Simon Fraser University**

**Expected Graduation: May 2024**

*Bachelor of Applied Science in Computing Science*

## PROJECTS

**PalmPlayer**

**March 2023 - June 2023**

[Github](#) | [Demo](#)

C# | .NET | SQLite | NUnit

- Developed a desktop music player application using **.NET Core WPF** and **C#** which allows users to play MP3 files within custom playlists and download Youtube media to the user's system
- Integrated **UI** design, business logic, object models, and database components using **MVVM** architecture.
- Constructed the backend using a local **SQLite** database, **MS Entity Framework**, and **C# Data Entities** which stores **100+** songs and playlists
- Conducted comprehensive **unit tests** for classes using the **NUnit** testing framework

**NBA Quicksearch**

**May 2023 - June 2023**

[Github](#) | [Demo](#)

JavaScript | React Native | Expo | API

- Developed a cross-platform mobile application written in **JavaScript** and **React Native**
- Efficiently fetched relevant player statistics by implementing **React hooks** which initiate dynamic **API** requests based on user input or search query
- Compiled the application using the **Expo** platform to handle page routing and hot reload development

**Image Editor**

**November 2021 -December 2021**

[Github](#)

Python | NumPy | AGILE | Docker

- Led a team of three to develop a desktop client application in **Python** that applies filters to a JPG/PNG input
- Implemented a **computer vision** algorithm which detects and locates a yellow fish based on its HSV values
- Managed workflow through the use of **AGILE** Teamwork principles to efficiently construct the application
- Utilized **Docker** to successfully containerize and deliver the application through Docker images

## EXPERIENCE

**Peer Tutor**

**May 2023 - August 2023**

*Simon Fraser University, Burnaby, BC*

- Led practice problem sessions for students covering CMPT 120 and CMPT 125
- Assisted over **30** students in completing programming assignments
- Clearly explained course concepts, such as abstract data types, sorting algorithms, and recursion during tutoring hours