



Zaid Arshad

SOFTWARE DEVELOPER

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EXPERIENCE

C++ Software Developer Intern Sept. 2022 – Apr. 2023

Safe Software Inc. | CAD/Modeling/Database Team

Developed for the company's core product: feature manipulation engine.
Maintained readers and writers for CAD, GIS, and many other formats.
Optimized performance regressions caused by changes to codebase.
Dissected bugs, stories and tasks on Jira in an agile environment.
Worked extensively with Visual Studio debugging tools to resolve tickets.

Junior Instructor Volunteer Jul. 2020 – Aug 2020

UBC Geering Up Engineering Outreach

Educated 240 students in 8 different STEM-related camps
Assisted senior instructors with applied sciences & programming lessons.
Directed 8 unique lessons related to engineering.
Taught a wide range of students, from grades 3 to 12.

PERSONAL PROJECTS

NETPARDY! Team Project – 2022

Python | Sockets, PyQt, Git, Qt Designer | Network Game

Developed a web based version of Jeopardy using sockets.
Created a logging system to maintain communication between clients.
Maintained server-client relations using JSON packets
Designed an asynchronous software system through multithreading.

Decay Level Tool Solo project – 2022

C++ | SFML, Visual Studio, Git | Developer Tool

Developed tool which creates levels for the self-created game, Decay.
Utilised OOP and inheritance to create draggable objects.
Implemented responsive UI to display properties of platforms in real time.
Designed layering system to position objects along the Z-axis.

WatRe Solo project – 2022

Java, C#, Python | Android, ASP.NET, Git | Web App Utility

Developed a mobile app to remind users to drink water throughout the day.
Utilised a notification system to send reminders.
Incorporated a REST API to enable desktop use.
Wrote a Python script to send audio cues from the user's PC.

EDUCATION

Simon Fraser University

B.Sc in Computing Science

September 2020 – Present

CGPA 3.44

LANGUAGES

C/C++

Java

Kotlin

Python

C#

Typescript

HTML/CSS

TECHNOLOGY

Android

SFML

Unity

Spring Boot

Sockets

ASP.NET

React

SOFTWARE

Git

gdb

Valgrind

Figma

ACHIEVEMENTS

Mountain Madness

Hackathon Category

Winner

SFU Fall Hacks 2021

2nd Place