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, 3D and many other formats.
Bolstered program's DBMS to better support Oracle, SQL, SQL Server, DB2 and more.
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.

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 a 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 | CGPA 3.44 | September 2020 - Present
LANGUAGES	C/C++, Java, Kotlin, Python, C#, Typescript, HTML, CSS
FRAMEWORKS	Android, Qt, SFML, Unity, Spring Boot, Sockets, ASP.NET, React
SOFTWARE	Git, gdb, Valgrind, Figma, Linux
AWARDS	Mountain Madness: Hackathon Category Winner SFU Falls Hacks 2021: 2nd Place