

Joel Lee Jie

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SKILLS

Programming Languages: C++, C#

Frameworks/Libraries: .NET, WPF, SDL2, FFmpeg **Databases:** PostgreSQL

Tools & Concepts: Git, Object-Oriented Programming (OOP)

Soft Skills: Communication, Problem-Solving, Teamwork

PERSONAL PROJECTS

Project Showcase

github.com/JoelLeejie/Personal-Showcase

[YouTube Playlist](#)

Video Player

github.com/JoelLeejie/Video-Player

- Developed a full audio and visual Video Player using C++ with FFmpeg and SDL2.
- Implemented basic functionality, integrating with Windows' file explorer for media selection.

GenshinDB

github.com/JoelLeejie/GenshinDatabase

- Created an interactive database application for Genshin Impact, using WPF .NET and C#.
- Sourced and formatted data from an official Genshin wiki, storing it in a PostgreSQL database hosted on Neon.Tech.
- Implemented data retrieval and display through the WPF user interface.

EDUCATION

Aug 2023 - Current

BSc Computer Science in Real-Time Interactive Simulation

Singapore Institute of Technology - DigiPen

CGPA (as of writing): 4.78

WORK EXPERIENCE

Retail Assistant

Feb 2023 - Aug 2023

Chateraise, Bishan

- Assisted customers and promptly resolved concerns, ensuring positive experiences.
- Collaborated effectively with colleagues to maintain a positive and efficient work environment.

Apr 2021 - Feb 2023

Signaller, Artillery

Singapore Armed Forces, Singapore

- Thrived in fast-paced, high-stress environments, demonstrating resilience and effective teamwork.
- Developed strong communication and problem-solving skills under pressure.

Retail Assistant

Feb 2021

NTUC Warehouse Club, Joo Koon

- Contributed to a positive and efficient customer shopping experience.

VOLUNTEER EXPERIENCE

Volunteer

2024 – Current

Willing Hearts

- Serving in various roles for a food kitchen dedicated to supporting the poor and elderly.

Usher

April 2020 – Dec 2020

City Harvest Church

- Assisted with guiding attendees and supporting church operations.

Interact Club Member

March 2019 – March 2020

Tembusu Senior Activity Centre

- Participated in planning and carrying out engaging activities for elderly residents.