# Joel Lee Jie

joelleejie132@gmail.com • 88811572 • github.com/JoelLeeJie

## EDUCATION

**BSc Computer Science in Real-Time Interactive Simulation**

Singapore Institute of Technology - DigiPen                **Aug 2023 – Current**
Year 2                                                                          Singapore
CGPA (as of writing): 4.78

- Specializing in real-time graphics, game development, and interactive applications.

- Developing a strong foundation in C++ programming, data structures, and algorithms essential for game engineering.

## TECHNICAL PROJECTS

Explore more projects: https://github.com/JoelLeeJie/Personal-Showcase

Project Showcase Reel: https://youtube.com/playlist?list=PL3v4AEQxsf2Oesvkm0B3S9gZYKGmHnUMD&si=UdThUV9WgYu04hDc

**Video Player (github.com/JoelLeeJie/Video-Player)**

- Developed a robust audio and visual video player with basic functionality using **C++**, **FFmpeg**, and **SDL2**.

- Integrated Windows' file explorer for seamless media selection, demonstrating strong system-level programming and multimedia processing skills relevant to game engines.

**GenshinDB (github.com/JoelLeeJie/GenshinDatabase)**
An interactive database application for one of my favourite games, Genshin Impact.

- Designed and implemented a WPF .NET Database application using **C#** and **PostgreSQL**.

- Engineered a data pipeline to source, format, and store game data from an official wiki into a database hosted on Neon.Tech.

- Developed a user interface to access and display game data, showcasing full-stack development and data management skills critical for game tools and backend systems.

## WORK EXPERIENCE

### Chateraise
**Feb 2023 - Aug 2023**
Retail Assistant
Bishan, Singapore

- Provided friendly and professional customer service, promptly resolving customer concerns to ensure satisfaction.
- Successfully defused tense customer conflicts by guiding problems to proper resolutions, demonstrating strong problem-solving and communication skills.
- Cultivated a positive and effective working relationship with colleagues, contributing to a collaborative team environment.

### Singapore Armed Forces
**Apr 2021 - Feb 2023**
Signaller, Artillery
Singapore

- Thrived in a fast-paced, high-pressure operational environment, effectively managing stress and performing under demanding conditions.
- Built strong interpersonal relations and collaborated effectively within a team to achieve mission objectives.

### NTUC Warehouse Club
**Feb 2021**
Retail Assistant
Joo Koon

- Assisted customers efficiently, facilitating a smooth shopping experience.

## VOLUNTEER EXPERIENCE

### Willing Hearts
**2024 - Current**

- Serves as an ad-hoc volunteer, undertaking various roles and responsibilities alongside diverse groups of people.
- Contributes to a food kitchen that provides meals for the underprivileged and elderly.

**City Harvest Church**            **April 2020 - Dec 2020**

- Served as an usher for 9 months, guiding attendees and supporting church operations.

**Tembusu Senior Activity Centre**      **March 2019 – March 2020**

- Participated as an Interact Club member (2019-2020 JC) in planning and executing engaging activities for the elderly.

## SKILLS & INTERESTS

- **Skills**: C++, C#, Communication, Problem-Solving, Teamwork, Version Control (Git), Data Structures & Algorithms (foundational CS)
- **Interests**: Game Development, Action and Fantasy Manga, Shooter/Gacha Games (especially those from miHoYo like ZZZ)