Yosua Nicolaus

✉ yosuanicolaus@gmail.com

📞 (+61) 410 445 715

📍 Sydney, Australia

○ https://github.com/yosuanicolaus

↖ https://yosuanicolaus.vercel.app

in https://linkedin.com/in/yosuanicolaus

SKILLS

Programming Languages
HTML, CSS, JavaScript, TypeScript,
Python, GDScript, C#, Ruby, C++

Frameworks and Technologies
React, NextJS, Bootstrap, Tailwind,
Firebase, MongoDB, Express, Godot

PROJECTS

Next Chess, *Full-Stack NextJS Online Chess Application* ⧉
- Developed a full-stack NextJS application using TypeScript, Tailwind CSS, and Firebase for the real-time database and authentication
- Utilized Firebase Realtime Database to sync the online data and enabled online play between users
- Implemented the LogiChess programming library for all important chess data and move generation

FrontChess and BackChess, *MERN-Stack Online Chess Application* ⧉
- Designed and developed a FrontEnd and BackEnd application for online web chess using the MERN stack
- Utilized SocketIO to handle socket connection and enabled stateful online data flow.
- Established working API and Socket communication between the front-end and back end

LogiChess, *Chess Programming Library* ⧉
- Developed and published a chess programming library as an npm package ⧉
- Accepts chess FEN data and generates readable, helpful, and playable chess data
- Built from scratch without any dependencies using TypeScript

---

WORK EXPERIENCE

October 2021 – December 2021	**Game Developer,** *Freelance* • Delved into the world of solo game development and learned various tools such as Aseprite pixel art editor, Godot game engine, and GDScript programming language • Participated in a game jam solo and won first place out of 186 entries in the Artistic category ⧉
February 2021 – December 2021	**Music Composer,** *Freelance* • Self-taught myself to compose music from scratch, creating original piano music and publishing it to YouTube, gaining a considerable amount of subscribers ⧉ • Utilized Reaper Digital Audio Workstation and VST plugins to work with multiple teams of developers and artists, demonstrating skills in collaboration, communication, and time management
July 2019 – July 2021	**Jazz Pianist,** *Shangri-La Surabaya Hotel* • Performed as a Jazz Pianist at a 5-star hotel, collaborating with a bassist to provide weekly live music • Demonstrated exceptional technical proficiency and improvisational ability, receiving consistent praise from guests and management for delivering high-quality performances

---

EDUCATION

Diploma of Information Technology, *ACBI*   Sydney, AU

Jazz Performance / Jazz Studies, *Jazz Centrum*   Surabaya, ID