

Jake Onquit

sunrayyourdev.github.io/portfolio
linkedin.com/in/jake-onquit

github.com/sunrayyourdev
onquitjake@gmail.com

(+65) 9487 8792
Singapore

Education

Diploma in Information Technology

Nanyang Polytechnic

GCE O-levels

Naval Base Secondary School

Apr 2023 - Aug 2026

Singapore

Jan 2019 - Nov 2022

Singapore

Skills

Programming Languages: Python, JavaScript, C#, Kotlin, HTML, CSS, SQL

Tools and Frameworks: FastAPI, Node.js, Express, React, .NET, Jetpack Compose, MySQL, SQL Server, TensorFlow, Figma, AWS

Languages: English (proficient)

Projects

VCT History Quiz

Frontend Development

Apr 2025 - Aug 2025

- Created a fast-paced quiz game to test player's knowledge of Valorant Champions Tour (Esports) History
- Designed to be displayed at a booth during esports events with cross-tab leaderboard updates
- Live website: <https://sunrayyourdev.github.io/vct-history-quiz/>

Shelfytics

AI Applications

Apr 2025 - Aug 2025

- Trained an object detection model using TensorFlow to count SKUs on supermarket shelves
- Built an RAG Chatbot for company policies using sentence-transformers, FAISS and Gemini
- Deployed the model and chatbot to using FastAPI server and Streamlit client

JewelRE

Enterprise Development

Oct 2024 - Feb 2025

- Implemented Google Sign-in and TOTP Authentication for an e-commerce application
- Developed a backend server using .NET and frontend client using React
- Designed customer and staff database schemas for SQL Server

Co-Curricular Activities

President

NYP Mentoring Club

Apr 2025 - Present

- Fostered a community of over 300 NYP students who engage in academic coaching for children and teens
- Lead an executive committee to plan community service programmes and life-skills workshops in our first semester
- Collaborated with external organisers to construct beneficial programmes for communities

Experience

Freelance Instructor

Codeezy

Aug 2025 - Present

- Delivered curriculum to students in a classroom setting
- Managed classroom dynamics and ensured a safe, inclusive, and engaging learning environment
- Assisted in the setup, testing, and pack-down of all necessary tech equipment

Guest Service Officer

Mandai Wildlife Reserve

Aug 2023 - Nov 2023

- Facilitated guests' experiences at Mandai Bird Paradise
- Managed crowds at high traffic areas
- Responded to guests' inquiries

Competitions

1st Runner Up, NUS SNIG SHIFT Hackathon

2025

Participant, PolyFinTech100

2025

Participant, NUS Healthhack 2025

2025

2nd Runner Up, NYP SIT Code Overflow Hackathon

2024

Awards and Honours

Director's List AY2024/2025 Semester 1, Nanyang Polytechnic School of Information Technology

2024

Certifications

AWS Certified Cloud Practitioner, Amazon Web Services Training and Certification

2025

Certified Entry-Level Python Programmer, Python Institute

2024