Jake Onquit

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Education

Diploma in Information Technology	**Apr 2023 - Aug 2026**
Nanyang Polytechnic	Singapore
GCE O-levels	**Apr 2023 - Aug 2026**
Naval Base Secondary School	Singapore

Skills

Programming Languages: 🐍 Python, JS JavaScript, C# C#, HTML HTML, CSS CSS, SQL SQL
Tools and Frameworks: FastAPI, Node.js, Express, .NET, React, Git, TensorFlow, MySQL, SQL Server, SQLite, Figma
Others: Project Management, Public Speaking, Effective Communication
Languages: English (proficient)

Projects

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 a 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 3 community service programmes and 3 workshops in our first semester
- Collaborated with 2 external organisers to construct beneficial programmes for their communities

Experience

Guest Service Officer	**Mandai Wildlife Reserve**	**Aug 2023 - Nov 2023**

- Faciliated guests' experiences at Mandai Bird Paradise
- Managed crowds at high traffic areas
- Responded to guests' inquires

Competitions

1st Runner Up, NUS SNIG SHIFT Hackathon	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

Certified Entry-Level Python Programmer, Python Insitute	2023