

Jake Onquit

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📍 Singapore

Education

Diploma in Information Technology
Nanyang Polytechnic

Apr 2023 - Aug 2026
Singapore

Skills

Programming Languages: 🐍 Python, 📄 JavaScript, 🇨🇸 C#, 🌈 HTML, 🎨 CSS, 🗄 SQL

Tools and Frameworks: FastAPI, Node.js, Express, .NET, React, Vite, Material UI, Git, Keras, Figma, AWS, MySQL, SQL Server

Projects

Shelfytics, AI Applications

Apr 2025 - Aug 2025

- Trained an object detection model to count the number of SKUs on supermarket shelves
- Built an FAQ Chatbot for company policies using sentence-transformers, FAISS and Gemini
- Deployed the model and chatbot to a RESTful API and frontend application

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, Vite, and Material UI
- Designed database schemas for customers and staff to use in 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
- Lead an executive committee to plan 3 community service programmes and 3 workshops in our first semester
- Collaborated with external organisers to construct beneficial programmes for children aged 6-16 years old

Experience

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

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 Institute

2023