

WANG YANXIANG (ISABEL)

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EDUCATION

National University of Singapore (NUS) <i>Bachelor of Computing (Computer Science)</i>	Aug 2023 – Present
<ul style="list-style-type: none">GPA: 4.71/5.00 NUS School of Computing ScholarshipDean's List (Top 5%): Y1S1, Y2S2Awards: Top Student for Discrete Structures, A+/A for Software Engineering, Programming Methodology, Computer Networks, AI and Machine Learning	

Hwa Chong Institution (College)

Jan 2021 – Dec 2022

- Hwa Chong Diploma (Distinction), Outstanding Student Award, GCE 'A' Level 5 Distinctions

WORK EXPERIENCE

Portfolio / Engineering Intern, Republic (New York City)	Aug 2025 – Present
<ul style="list-style-type: none">Automated internal operations and migrated infrastructure to AWSSupported the US Platform team by resolving engineering tickets and contributing to system stability	
Software Engineer Intern, GovTech	May 2025 – Aug 2025
<ul style="list-style-type: none">Built an analytics dashboard enabling POs to generate reports and production support teams to query data efficientlyImplemented CI/CD pipelines using Github ActionsSet up AWS infrastructure with TerragruntCollaborated in a scrum team, applying Agile practices to meet sprint milestones	

Full-Stack Developer Intern, Mavericks Consulting	Dec 2024 – Mar 2025
<ul style="list-style-type: none">Developed an employee management system using TypeScript, React and ExpressSupported end-to-end website migration and testing using Next.js, Directus, and AWS	

PROJECTS

Freak-Cha HackHarvard 2025, Funniest Hack Award	
<ul style="list-style-type: none">Built Freak-Cha (freakcha.com), a CAPTCHA-inspired challenge to distinguish humans from AI via facial expression recognitionDeveloped a responsive Next.js + Tailwind frontend with real-time recognition using MediaPipe FaceMesh & YOLOv8Designed data collection and labeling workflows to train and improve model accuracy on human facial patterns	
SkillsLife UBS Tomorrow's Talent Program '25	
<ul style="list-style-type: none">Developed a full-stack web app with React, Django, TF-IDF and LightFM models to deliver course recommendations using content-based and collaborative filteringIntegrated RAG with Deepseek + Langchain for efficient semantic search and fast content queryingImplemented progress tracking and performance insights features to enhance user engagement	
TixSecure DSTA BrainHack '25 Finalist	
<ul style="list-style-type: none">Developed a secure mobile ticket-resale app with SwiftUI, using ZkSync for blockchain verificationIntegrated NFC capabilities for seamless on-site ticket scanning and validation	

NUS Software Engineering Project Apollo 11 (Advanced) Certification	
<ul style="list-style-type: none">Created a social meal planning mobile app for NUS students using React Native and FirebaseBuilt real-time features for tracking meal requests, chat functionality and integrated geolocation services to foster community interaction	

EXTRACURRICULAR ACTIVITIES

Software Engineer, Developer Student Club	Nov 2024 – May 2025
<ul style="list-style-type: none">Built a sponsorship and volunteer management system for an animal welfare non-profit	

Vice President (Internal), NUS Computing Code For Community	Aug 2024 – Nov 2024
<ul style="list-style-type: none">Led volunteers and developed a 10-week robotics and coding curriculum for underprivileged students	

Other leadership experiences: Organised NES Ground Zero '25, NUS Computing Career Launchpad '24 & Asian Business Plan Competition '24

SKILLS AND ADDITIONAL INFORMATION

- **Languages:** Java, Python, JavaScript, TypeScript, Ruby, HTML, CSS
- **Frameworks/Tools:** React, React Native, Next.js, Express, Django, Ruby on Rails, Supabase, PostgreSQL, MongoDB, Docker, AWS
- **Written and Spoken Languages:** English, Mandarin