

TERRIS TAN

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PROFILE SUMMARY

Results-driven final-year Information Systems student at Singapore Management University specializing in Digitalization, Cloud Solutioning and Business Analytics with proven expertise in full-stack development, AI implementation, and cloud technologies. Demonstrated track record of delivering enterprise-level solutions at Accenture and KPMG with quantifiable business impact, complemented by competitive programming excellence with multiple hackathon finalist achievements. Seeking full-time internships, graduate programs, or software engineering positions starting January 2026, graduating May 2026.

EDUCATION

Singapore Management University <i>Bachelor of Science (Information Systems)</i> <ul style="list-style-type: none">Major in Digitalization, Cloud Solutioning and Business AnalyticsGPA: 3.15/4.00	Singapore 2022 - Present
Nanyang Polytechnic <i>Diploma in Business Informatics</i> <ul style="list-style-type: none">GPA: 3.73/4.00	Singapore 2017 - 2020

PROFESSIONAL EXPERIENCE

Tax Technology & Transformation Intern KPMG Singapore <ul style="list-style-type: none">Documented business requirements for tax technology applications, achieving 95% stakeholder approval rateDesigned and executed end-to-end test scenarios, reducing testing cycle time by 30%Developed Generative AI tools for organizational automation, improving process efficiency by 25%Supported post go-live activities with 99.5% system uptime maintenance	May 2025 - Present
Frontend Developer Accenture Southeast Asia <ul style="list-style-type: none">Migrated legacy Java applications to React TypeScript, reducing load times by 40%Collaborated with cross-functional teams to deliver production-ready government applications serving 1,000+ usersImplemented Jest unit testing achieving above 80% code coverage and SonarQube quality standardsUtilized Jira, CI/CD, and Azure DevOps in enterprise SDLC workflows	May 2024 - Nov 2024
Solution Engineering Intern Usertip Pte Ltd <ul style="list-style-type: none">Developed React TypeScript applications with Google Analytics integration, tracking 50,000+ user interactionsCreated analytical dashboards using Google Cloud Platform APIs, identifying key consumer insights for 3 applicationsBuilt Chrome extensions and configured third-party services, improving data collection accuracy by 35%	May 2023 - Aug 2023
Junior Software Engineer Intern GT Robot Technology Pte Ltd <ul style="list-style-type: none">Developed CMS website using Flask framework, completing 3 projects ahead of 1-month scheduleConfigured Dialogflow NLP for robot intelligence, improving conversation accuracy by 60%Prototyped company website redesign, enhancing user experience metrics by 45%	Mar 2019 - Jun 2019

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, Java, Go, C#, PHP
Frontend: React, NextJS, Vue, Redux, HTML, CSS
Backend: NodeJS, ExpressJS, Spring Boot, Flask, ASP.NET
Testing: Jest, Unit Testing, Integration Testing, E2E Testing
Cloud & DevOps: AWS, Google Cloud Platform, Docker, CI/CD Pipelines
Databases: SQL, MongoDB, MySQL, PostgreSQL, Firebase
Tools & Methodologies: Git, Agile/Scrum, Jira, API Development, Microservices, Project Management

HACKATHON PROJECTS

AI-Powered Public Safety Detection System HacX! HTX-Microsoft 2024 Semi-Finalist <ul style="list-style-type: none">Developed IoT-based unusual object detection using body-worn cameras and Vision Language ModelsTech Stack: Computer Vision, IoT sensors, Web Application, Machine Learning APIsSolution: Real-time threat detection system for law enforcement with 90% accuracy rate	Oct 2024
Privacy-Enhancing Analytics Platform TikTok TechJam 2024 SEA People's Choice Awards	Aug 2024

- Built zero-knowledge proof system using Homomorphic Encryption for personalized recommendations
- Tech Stack: Homomorphic Encryption, Blockchain, NextJS, Flask RESTful APIs
- Solution: Simulated TikTok FYP generation while maintaining complete data privacy

Multi-Modal AI Turret Control System | DSTA BrainHack TIL-AI 2024 | Finalist

May 2024

- Developed AI interpreter converting spoken commands into automated turret actions
- Tech Stack: OpenAI Whisper (ASR), BERT (NLP), RT-DETR, CLIP (VLM), Docker, GCP Vertex AI
- Solution: Real-time voice-controlled robotic system with 95% command accuracy

AI Education App| Google Ignite 2023 | Participant

Oct 2023

- Developed Flutter mobile application for self-learning with AI-generated assessments
- Tech Stack: Flutter, Dart, Firebase, PaLM AI, Text-to-Speech, Speech Recognition
- Solution: Interactive learning platform targeting UN Sustainable Development Goals for quality education

Colorblind Assistant| SMU Ellipsis Tech Series 2023 | Most Creative Solution Award

Aug 2023

- Created Progressive Web App solutions for the partially colorblind using advanced color detection algorithms
- Tech Stack: React, TypeScript, TailwindCSS, Computer Vision, Service Workers
- Solution: Real-time color identification and scheme generation for accessibility

AI-Enhanced Learning Platform| SMU .Hack HEAP 2023 | Finalist

Aug 2023

- Built note-sharing platform with integrated AI assistant for educational content generation
- Tech Stack: Vue.js, Flask, Firebase, OpenAI API, React, Vercel
- Solution: Peer-to-peer learning system with automated content creation

CERTIFICATIONS

- AWS – Certified Solutions Architect Associate (Exam in progress)
- GCP – Google Professional Machine Learning Engineer
- SMU-Accenture-AWS Cloud Solutions Development Work-Study
- Google Cloud Certified – Cloud Digital Leader
- Google Professional Certificate – IT Automation with Python, IT Support, Cybersecurity, UX Design, Project Management, Business Intelligence, Advanced Data Analytics

ACTIVITIES & LEADERSHIP

Volunteer & Facilitator | GDG Singapore

Aug 2024 - Present

- Facilitated technical workshops and sessions reaching 700+ developers at DevFest Singapore 2024, contributing to Singapore's largest community-driven tech conference
- Supported Google Cloud & I/O Extended Singapore 2025 event coordination, engaging 200+ technology professionals in hands-on learning experiences with Google Cloud and AI technologies
- Demonstrated commitment to community building through active participation in monthly meetups and networking sessions, fostering collaboration among 4,500+ GDG Singapore members
- Collaborated with industry leaders and Google Developer Experts to deliver cutting-edge technical content on machine learning, cloud computing, and web development frameworks

Technology & Google Developer Group Director | SMU .Hack

Aug 2024 - Present

- Organized and led 11 workshops, fireside chats, and hackathons reaching 300+ students
- Facilitated technical workshops on modern development frameworks and cloud technologies
- Demonstrated commitment to lifelong learning through continuous technology community engagement
- Collaborated with industry partners including Goldman Sachs, Google, UBS, Huawei, Exabytes, and Cyber Youth Singapore

Student Mentor & Workshop Instructor | SMU Ellipsis

Aug 2023 – May 2024

- Instructed programming workshops for 150+ university students across multiple technical domains
- Guided freshmen students through career consultation sessions, providing personalized guidance on information systems career pathways and technical skill development
- Mentored peer-to-peer learning initiatives through Coders Assembly program, supporting academic success and professional development for SCIS students