

Gwendolyn Leong

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EXECUTIVE SUMMARY

Impact-driven Information Systems undergraduate with end-to-end experience in software engineering and data infrastructure. Proven track record delivering real-world tech solutions across startups, corporates, and community sectors—from building scalable web apps at OCBC and data pipelines at HeyMax to leading product innovation at YouthTechSG. Skilled in full-stack development, with a passion for using technology to drive innovation, inclusion, and change.

EDUCATION

Singapore Management University	2024 - Present
<i>Bachelor of Science, Information Systems (Product Development), Double major in Artificial Intelligence</i>	
Leadership: Web Tech Associate - SMU Patron's Day 2025	
Web Tech Director - SMU Patron's Day 2026	
Facilitator - SMU Freshmen Orientation 2025	
Marketing Director - SMU Stereometa AY25/26	
Marketing Director – SMU Product Club AY25/26	
Ngee Ann Polytechnic	2021 - 2024
<i>Diploma in Information Technology, Minor in Global Readiness</i>	
Achievements: Edusave Skills Award 2024, Project ID Industry Showcase 2024 – 5/200 Teams, Certified Peer Helper, NP Mentors Silver Award, Shenzhen Polytechnic Overseas Immersion Programme 2021	

SKILLS

Languages & Frameworks: Python, JavaScript, TypeScript, Java, C#, PHP, MSSQL, MySQL, PostgreSQL, HTML, CSS, ReactJS, VueJS, Spring Boot, ASP.NET, Tailwind CSS

Tools & Technologies: DBT, AWS, UI Path, n8n, Excel, Git, REST APIs, CI/CD, Object-Oriented Programming, MVC, Firebase, Supabase, Google Cloud, Git, Figma

Soft Skills: Interpersonal Communication, Adaptability, Time Management, Problem Solving, Teamwork

PROFESSIONAL EXPERIENCE

PwC	Jan 2026 – Jun 2026
<i>Digital Cloud Data Intern</i>	
• Data & AI transformation	
HeyMax	May 2025 – Aug 2025
<i>Analytics Engineer Intern</i>	
• Built and maintained scalable DBT models to transform and centralize key business data, enabling analytics and reporting across teams.	
• Wrote Python scripts to support data transformation logic, automate workflows, and enhance DBT model efficiency.	
• Implemented data quality checks and optimized model logic to ensure accuracy, consistency, and reliability of datasets.	
YouthTechSG	Apr 2025 – Present
<i>Tech Division Associate, Technical Product Manager</i>	
• Support digital product development and cross-functional coordination.	
• Deliver youth-focused tech solutions.	
SMU Dato' Kho Hui Meng Career Centre	Apr 2025 – Jul 2025

UI/UX Designer

- Conducted a UX audit and redesigned key sections of the DKHMCC website, improving navigation, content discoverability, and user engagement –resulting in a 35% increase in website traffic.
- Applied advanced UI/UX design principles using Figma and Drupal to prototype and implement responsive, user-centric interfaces that improved overall user engagement.

SMU Office of Research

Sep 2024 – Oct 2024

Data Analyst

- Compiled and verified research data for SMU's annual Ministry of Education Postgraduate Research Quality Report.
- Utilized Excel for data analysis and reporting.

SMU Patron's Day

Aug 2024 – Jan 2025

Web Tech Associate

- Involved in the development of SMU Patrons' Day 2025 website which garnered over 16k page views, a 53% increase compared to PD24.

Luxoft

Jun 2024 – Jun 2025

Junior Data Engineer

- Developed core competencies in the data engineering lifecycle, from data extraction to processing, storage, and delivery.
- Configured and supported data pipelines in Cloudera environments on AWS and Azure, enabling reliable data flow for analytics.
- Strengthened skills in data quality management, data governance frameworks, and security best practices to safeguard data assets.

The Logic Coders

Apr 2024 – Nov 2025

Python Tutor

- Provided comprehensive Python lessons to over 50 students aged 11+.
- Empowered students with problem-solving abilities and a firm grasp of mathematical principles, facilitating the development of efficient computational algorithms.

OCBC

Mar 2023 – Mar 2024

Software Engineer Intern

- Spearheaded the development and deployment of a Web Developer Portal using ReactJS and Spring Boot, streamlining API onboarding for external partners and improving operational efficiency.
- Designed automation tools to accelerate API specification creation and integrated them into CI/CD pipelines, while developing and maintaining RESTful APIs for secure banking services integration.
- Contributed to the launch of OCBC Wingman, an AI-powered assistant for frontline staff
- Actively supported CSR initiatives under OCBC Cares.

CERTIFICATIONS

Hackathons: DSTA Brainhack 2024, Deep Learning Week 2025, National AI Student Challenge 2025, Tiktok TechJam 2025, Morgan Stanley Code to Give 2025, GIC #CODETOIMPACT 2025

IBM: AI Engineering, Data Engineering, DevOps and Software Engineering

AWS: Cloud Solution Architect, AWS Fundamentals

Google: UX Design, Data Analytics, Advanced Data Analytics, Business Analytics, Cybersecurity, Digital Marketing & E-commerce, IT Support, Project Management

Others: Professional Scrum Master I, UI Path RPA Developer Foundation, Workato Automation Pro I, Enterprise Design Thinking, Lightning Experience Reports & Dashboard Specialist