

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>	
<i>Leadership:</i> 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>	
<i>Achievements:</i> 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>	
<ul style="list-style-type: none">Data & AI transformation	
HeyMax	May 2025 – Aug 2025
<i>Analytics Engineer Intern</i>	
<ul style="list-style-type: none">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>	
<ul style="list-style-type: none">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