Gi Soong Chee
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Professional Summary

Dedicated educator with 3 decades of experience transforming Computing /STEM education through learner-centric pedagogy and adult professional development. Combines classroom expertise with systemic curriculum design, recognised nationally for pioneering learner-led initiatives, building learners' communities, and bridging industry-academia gaps.

Professional Experience

Training & Adult Education

- *WSQ Diploma in Design and Development of Learning for Performance 2.0 (DDDLP 2.0)*: Expected completion Jul 2026
- *WSQ Advanced Certificate in Learning and Performance 2.0 (ACLP 2.0)*: Completed Jul 2024

Computing Educator (1996–2024)

- *Anderson Serangoon Junior College* (2023–2024): Developed advanced computing curricula integrating AI and informatics principles.
- *National Institute of Education (NIE)* (2021–2023): Teaching Fellow mentoring in-service educators in computational thinking, AI literacy and computing/coding education.
- *Dunman High School* (2007–2020): Pioneered student-led coding clubs and national/international competition teams.
- *Victoria Junior College* (1996–2007): Early career focus on foundational programming education and student-centred programmes.

Awards and Recognition

- **Outstanding Computing Teachers Award** (2016): Google-IMDA-MOE recognition for classroom innovation.
- **Python Software Foundation Fellow** (2023 Q1): Acknowledged for contributions to the Python community outreach efforts.
- **Academy of Singapore Teachers Associate** (2024): Awarded Innovator in fostering teachers' professional development.

Learner-Centric Contributions

1. **BuildingBloCS**
   - Founded and oversees a nationwide "By Students, For Students" Computing education outreach initiative across 50+ schools in Singapore and thousands of students annually since 2017, enabling peer-taught and facilitated workshops on AI, computational thinking and software development.

2. **Computing@ASR & Computing Teachers Content Upgrading Course**
   ○ Discord open platform customisation and integration to support learner-first, self-directed and peer-appraised interactions for Computing students and ICT Champions leadership development, and in-service Computing teachers conversion programmes.

Adult Learning Leadership

- **NIE Teaching Fellowship**
  - Established partnership with MOE CPDD (Curriculum Planning & Development Division) for the conversion training of in-service teachers on learner-centric pedagogies and content upgrading for O/A-Level Computing. Conducted first two runs in 2022 and 2023.
- **JC Computing Teachers Community**
  - Initiator and contributor of byte-size/JIT resources sharing for junior college computing teachers. Liaised with industry partners for annual learning journeys for high school computing teachers.
- **FOSSASIA Open Source Tech Conference**
  - Facilitated open-source sessions for regional/international participants in Singapore (2018 - 2023, 2025).
- **PyCon Singapore Education Summit**
  - Organised annual computing education seminar since 2015 to foster professional development and networking for computing educators across high school, tertiary and industry sectors.
- PyCon Singapore Technical Conference
  - Revived Singapore's Python programming language conference in 2025 with SIT after a 5-year hiatus.

Certifications

- CS50 for Educators Workshop (Harvard University) (2023, 2024)
- Python, data science, AI (DataCamp with AI Singapore 2019-2024)

Technical Proficiencies / Commmunication

- **Currently Learning:** Agentic Workflow, Vibe Engineering
- **Technical**: Python, JavaScript, SQL, MongoDB, Web App Development, Data Structures and Algorithms, Project Management, Prompt Engineering
- **Languages Spoken & Written**: English, Chinese