Nicholas Ian Boey

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EDUCATION

Singapore Management University Aug 2025 – Apr 2029
Bachelor of Science (Software Engineering) | GPA: 3.92/4.0

Ngee Ann Polytechnic Apr 2020 – Apr 2023
Diploma in Cybersecurity & Digital Forensics | GPA: 3.91/4.0

PROFESSIONAL EXPERIENCE

Centre for Strategic Infocomm Technologies Sep 2022 – Jan 2023
Cybersecurity Research Intern

- Audited Google Drive Desktop security by analysing network traffic to identify and document software bugs and misconfigurations.
- Developed Proof-of-Concept demonstrations for discovered vulnerabilities, guiding organisational decisions on the application's security suitability.

LEADERSHIP & PROJECTS

SMU Quantum Computing Society Jun 2026 – Present
Vice President

- Engineered a Quantum-Hybrid solution using QAOA and Random Forest to optimise wildfire response in Khao Yai National Park during the SEA Quantum Leader Summit 2026.
- Spearheaded end-to-end planning for the SMU QCS Quantum Futures Talk and moderated technical panel discussions with industry experts.
- Represented the university as a delegate and event moderator for SQYC World Quantum Day 2026.

SMU Ellipsis Jan 2026 – Present
Professional Development Executive

- Spearheaded the revamp of Coders Assembly's operations and technical curriculum (Python, C), utilising Google Sheets to architect an end-to-end tracking system for mentor-mentee recruitment, interviews, and pairings.
- Managed logistics and moderation for major university talks, distributing post-event educational materials to 2,300+ undergraduates.

ORION (Ngee Ann Polytechnic) 2021 – 2022
Event Organiser & Facilitator

- Facilitated technical outreach and events for secondary and polytechnic students, like the StrITwise® IT competition, Python Outreach Workshop, and Amazing Race 2022.

TECHNICAL SKILLS

- **Languages**: Python, Java, C#, SQL, JavaScript, HTML/CSS
- **Frameworks & Libraries**: TensorFlow, Qiskit
- **Tools & Platforms**: Google Looker Studio, Microsoft Excel