

## SEE MAN TENG

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### EDUCATION

#### National University of Singapore

Aug 2023 - Aug 2027

#### Bachelor of Computing in Information Systems

- Teaching Assistant for BT2102 Data Management and Visualisation [Jan - May 2025]
  - Works with relational and non-relational database management systems eg. data visualisation principles, techniques and tools
  - Basics of Tableau
- NUS College Newsletter (Quadrant) Editor [Jan 2025 - Present]
- Harvard Undergraduate in Asia Programme, Logistics Chair [2024 - Present]
  - HUAP facilitates dialogue and cultural exchange with students from Harvard and top universities across Asia.
  - As an NUS representative, I will be going over to Harvard University in Winter (Jan 2025) to engage in a series of dialogue.
  - As the logistics head, I manage the operational smoothness of the day-to-day running of the conference.
  - Collaborate with Harvard administration on coordinating HUAP events hosted there (ie liaising with the Student Organization Center at Hilles, Office of Student Life etc)
- NUS College Ambassador [2024 - Present]
  - Engaged in outreach activities across tertiary education institutions in Singapore, representing NUS College to prospective students.
  - Promoted NUS programs and student life, providing insights and answering queries to help students make informed decisions about their higher education options.
  - Served as a Student Ambassador during the NUS Open House 2025, guiding campus tours
- Overseas Experience
  - Stanford University Summer Programme 2024 (completed an entrepreneurship class, ENGR145S and data science course, DATASCI112, grades: A,A)
  - Korea University Winter Programme 2023 (completed the statistics course IWC207, obtained grade A+)
- Google Developer's Student Club (GDSC) [2023]
  - Part of the internal team
  - Organized 2 workshops for the Hack for Good Hackathon (2023)
  - Web Development Workshop: Used a code sandbox and React framework to teach participants how to build their own interactive portfolio.
  - OpenAI API chatbot: Teach participants how to leverage OpenAI's API and prompt engineering techniques to create a speech-to-text, text-to-speech chatbot.
- NUS College Student (Honors Programme)
  - Selected for the prestigious NUS College Honors Programme, which focuses on an interdisciplinary and experiential education designed to tackle complex global challenges.
  - This is part of the University Scholars Programme, engaging in rigorous academic coursework and research across diverse fields, with an emphasis on collaborative problem-solving and critical thinking.

**Raffles Institution****Feb 2021 - Dec 2022****Advanced Level (A levels)**

- 90/90 Rank points (full UAS score) for A levels.
- Read H2 Mathematics, H2 English Language Linguistics, H2 Chemistry, H2 Biology, H1 General Paper, H1 Project Work at A levels.
- Elected as Student Councillor by the student body to be part of Raffles Institution 41st Students' Council.
- Elected as the Vice House Captain of Hadley Hullett House Directorate for planning and executing school-wide events and keeping school spirit alive.
- Organizing Committee of Council Camp 2022, Orientation 2022 and Batch Night 2021. .
- Member of Raffles Press, 2021 to 2022 to publish several op-ed and event coverage articles in school newspaper websites.

**Tanjong Katong Girls' School****Feb 2017 - Nov 2020****Ordinary Levels (O levels)**

- Achieved a net score of 2 and raw score of 6 at O levels.
- Read English Language (A1), Chinese Language (A1), Higher Chinese (B3), Elementary Mathematics (A1) Additional Mathematics (A1), Chemistry (A2), Biology (A1), Combined Humanities [SS & Lit] (A1).
- Appointed as Secretary (Head of Secretariat and Finance) of Prefectorial Board Executive Committee (PBEXCO).
- Member of the Student Leader Network Executive Committee (SLN EXCO).
- Class Chairperson in 2017.
- Member of Art Club

**EXPERIENCE****AI Engineer Intern, Defence Science Technology Agency, Singapore May 2023 - Aug 2023**

- Integrated NLP and Speech Technologies: Employed Natural Language Processing (NLP) alongside Speech to Text (STT) and Text to Speech (TTS) functionalities for comprehensive user conversation analysis.
- Augmented Language Model (LLM) Fine Tuning: Elevated AI Assistant's communication finesse through Language Model (LLM) fine-tuning, enabling more accurate and nuanced interactions. Used LLMs such as T5-Flan, Openai, Vicuna-13b.
- Mastered utilization advanced databases Weaviate: Amplified AI Assistant's knowledge base and extending its capabilities to fit Singaporean contexts.

**Mathematics Tutor, Aspire Hub, Singapore****Feb 2023 - Apr 2023**

- Instructed students spanning Secondary 1 to 4 in both Elementary Mathematics and Advanced Mathematics for the Ordinary Level (O levels) examination.
- Coordinated Curriculum Development: On average, crafted 5 comprehensive teaching worksheets and notes for mathematics syllabus each week, to facilitate effective comprehension and learning outcomes among students.
- Facilitated Engaging Class Discussions: Orchestrated dynamic class discussions, encouraging students to participate and exchange ideas, promoting a collaborative learning environment during each 2 hour class session.

- Utilized Canva for Interactive Presentations: Leveraged Canva to design visually appealing and informative presentations covered study techniques and personal growth strategies, enhancing student engagement and development.

#### **Content Creator Intern, Ministry of Manpower, Singapore**

**Nov 2021 - Dec 2021**

- Managed Paperwork : Diligently reviewed paperwork, identifying inconsistencies, and swift rectification to ensure accurate records and efficient processes daily.
- Managed International Migrants' Day 2022 Exhibition: Generated compelling content for both the online and physical exhibition commemorating International Migrants' Day on 18 Dec 2022.
- Spearheaded Content Creation for MOM's Facebook Page: Crafted 8 engaging and informative posts for the Ministry of Manpower's (MOM) Facebook page, promoting public relations and information dissemination.
- Exemplified meticulous attention to detail: Fact-checked and proofread all generated content, upholding highest standards of accuracy and professionalism throughout the project.

#### **AWARDS AND SCHOLARSHIP**

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- Defence Science Technology Agency Scholarship Recipient (2023)
- Recipient of Edusave Award for Achievement, Good Leadership and Service (2022)
- Edusave scholarships for Independent Schools (ESIS) (2021)
- Recipient of the English Language Elective Scholarship (ELES) (2021)
- Recipient of Edusave Scholarship (2020, 2019, 2018, 2017)
- Recipient of Edusave Award for Achievement, Good Leadership and Service (2020)
- Recipient of the subject prize for English Language Literature (2020, 2019, 2018, 2017)
- Recipient of the subject prize for English Language (2018, 2017)

#### **CERTIFICATIONS**

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- freeCodeCamp JavaScript Algorithms and Data Structures Certification
- Codecademy Natural Language Processing Skill Path Certification
- Codecademy Discreet Maths Certification
- Codecademy Data Structures and Algorithms Certification
- Codecademy CSS, HTML Certification
- Codecademy SQL Certification
- Codecademy Python3 Certification

#### **TECHNICAL PROFICIENCY IN**

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- **Programming Languages:** Java, Python, JavaScript
- **Databases:** MySQL Workbench
- **Data Analysis & Visualization:** Tableau
- **Business Tools:** Microsoft Excel, Google Docs/Forms/Sheets