

Foo Chuan Tian

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EDUCATION

Singapore University of Technology and Design (SUTD)

Singapore

Sep 22 to Present

- Bachelor of Engineering (Computer Science and Design), Honours
- Focus Track: Security
- Minors: Digital Humanities, Healthcare Informatics
- Expected Date of Graduation: May 2026

WORK EXPERIENCES

Ensign InfoSecurity, Intern, Threat Hunt and Response

Aug 24 to Present

- Analyse managed detection and response (MDR) alerts to determine their impact on client organisations.
- Communicate with clients regarding analyses of cybersecurity threats found in their workstations or servers.

Singapore University of Technology and Design (SUTD), Teaching Assistant

Oct 23 to Nov 23

- Teaching Assistant for 10.014 Computational Thinking for Design.
- Helped students better grasp the basics of the Python programming language by answering their queries during lectures.

Studyworks Pte. Ltd., Exam Proctor

Apr 22 to Sep 22

Provides proctoring services for various professional certification examinations

- Conducted invigilation during examinations to prevent cheating
- Conducted security checks on candidates before entering examination venue to prevent unauthorized items from being brought into the venue.

Singapore Armed Forces (SAF), Cyber Specialist

Apr 19 to Apr 22

- Conducted 24/7 monitoring of the SAF's networks to ensure timely and effective action and investigation into any potential network intrusions.
- Aided in conducting cybersecurity incident investigations to better understand how network intrusions occurred, and hence prevent similar incidents in the future.
- Documented tools and processes used by the SOC to conduct a review of their effectiveness.

Cyber Security Agency of Singapore (CSA), SOC Analyst

Dec 19 to Oct 21

- Monitored Security Information and Event Management (SIEM) alerts to ensure awareness and timely action on any potential threats in the networks of Critical Information Infrastructure (CII).
- Managed Indicators of Compromise (IOC) and conducted scans based on them for better detection of network intrusion attempts by specific threat actors.
- Wrote cybersecurity intelligence reports using various sources to augment the organisation's awareness of recent trends and important events.
- Wrote and maintained Standards of Procedure (SOP) documentation for Tier 1 SOC Analysts, ensuring that my fellow analysts were clear on how to perform their roles properly.

ACADEMIC RESEARCH PROJECTS

Singapore University of Technology and Design

Singapore

Network Threat Detection and Anomaly Analysis with Grafana and NetFlow, Student Assistant

May 23 to Apr 24

- Developed a NetFlow Collector and Analyser at iTrust, a cybersecurity research centre in SUTD, using nProbe, Clickhouse, and Grafana to better detect anomalous traffic in IT networks.
- Documented tactics, techniques, and procedures (TTPs) of the participating red teams at the Critical Infrastructure Security Showdown (CISS) 2023 as a Tech Writer.

CO-CURRICULAR ACTIVITIES

Drama Club

Singapore

Treasurer

Sep 22 to Present

- Designed and handled procurement for a club jacket, helping to raise club morale.
- Managed and accounted for the club's finances by approving purchase requests and keeping track of the club's income and expenditure.
- Acted in and handled administrative work for Drama Club's annual production for 2023, "The Odd Couple", including acquiring the rights to put up the production and filling out the documents necessary for hosting a performance, which made a profit of S\$200 through ticket sales, allowing members to purchase more equipment or props for upcoming productions.

NihonGo! Club

Singapore

Member**Sep 22 to Present**

- Hosted exchange students from the Tokyo Institute of Technology, participating in a cultural exchange session and a campus tour of SUTD.
- Volunteered at the Summer Festival 2023, organized by The Japanese Association Singapore, as post-event cleanup crew that helped to clean up the event venue after the festival such that lessons could be conducted in the days following.
- Conducted a lesson on sustainability for students at The Japanese School, Singapore (Primary, Changi Campus) in the summer of 2023, increasing their awareness on global environmental issues.

ST4H x UNAIR Freshmore Asian Cross-curricular Trip**Indonesia****Participant****Jan 24**

- Participated in a Science and Technology for Healthcare hackathon with medical students from Universitas Airlangga in Surabaya, Indonesia.
- After consulting with medical professionals from a hospital nearby, my team proposed an app and web portal to improve communication between doctors requesting for microbiological tests and lab technicians from the microbiology department, ensuring timely processing of samples and more efficient dissemination of lab test results back to the doctors.

Reactor x Nagoya DII EntreConference**Singapore****Participant****Aug 23**

- Participated in an entrepreneurship workshop and hackathon with engineering students from the DII Collaborative Graduate Program from Nagoya University.
- My team proposed a smart-mattress that could help Japanese salarymen sleep better by adjusting the temperature of the mattress at various points of the sleep cycle such that they would fall asleep more easily and wake up naturally.

CERTIFICATIONS

Google Professional Machine Learning Engineer Certification

Oct 24

Japanese Language Proficiency Test (JLPT) (N2 Level)

Jan 24

AI4I® – Foundations in AI

Aug 23

Certified Ethical Hacker (CEH)

Aug 22

Hanyu Shuiping Kaoshi (HSK) (Level 5)

Apr 17**ADDITIONAL INFORMATION**

- Technical Skills: Python, C, SQL, HTML/CSS, Ethical Hacking, MS Office, Basic video editing in Adobe Premiere and HitFilm, Basic graphic design in Adobe Illustrator, Inkscape, and Canva.
- Fluent in English and proficient in Chinese (Speaking and writing) and Japanese (Writing).