



Ng Yi Zher Jeremy

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Education

Singapore University of Technology and Design (SUTD)

Feb 2021 – Apr 2021

ModularMasters in Cybersecurity

- Completed these courses: *System Security, Security Tools 1 & 2, Digital Forensics*
- Found and reported Web Cache Deception (WCD) vulnerabilities in two popular local websites

SUTD

May 2017 – Aug 2020

- Bachelor's Degree in Engineering (Information Systems with Technology and Design (ISTD)), 2nd Lower Honors
- Major in Cybersecurity with minor in Artificial Intelligence (AI)

Work experience

Cyber Security Agency of Singapore (CSA), System Engineer

Jan 2021 – Present

- System Engineer

Elements of Software Construction, Teacher Assistance

Jan 2020 – May 2020

- Responsible for marking 300 scripts with constructive feedback

DSO National Laboratories, Research Intern

May 2019 – Aug 2019

- Researched on Hardware Debugging Features for ARM processors (CoreSight)
- Designed test programs in C language
- Developed Bash scripts for *sysfs* configurations
- Used basic disassembling tools with *GDB* and *Ghidra* to acquire Program Flow Trace (PFT)
- Understand ARMv8-A Instruction set to compare against PFT

SG Code Campus (SGCC), Teacher

Jun 2018 – Sep 2018

- Crafted a detailed lesson plan for children aged 9 to 12 years old, in *Scratch* and *Micro:bit*
- Taught basic coding fundamentals to a class of around 4 to 7 students per class using *Scratch* and *Micro:bit*
- Teacher Assistant for participants (Junior category) in IMDA's *Code:XtremeApps::2018 – Artificial Intelligence*

Bank of Tokyo, Mitsubishi & UFJ (BTMU), Data Entry

Jan 2017 – Mar 2017

- Digitized more than 1,200 employees' portfolio in BTMU
- Performed tasks essential to the organization and management of the files being digitized through the proficient use of MS Excel
- Provided administrative support to HR colleagues

Singapore Armed Forces (SAF), Section Commander

Oct 2015 – Dec 2016

- Lead a section of 5 men to complete administrative tasks and operational missions
- Responsible for the company's administrative work and armskote duties
- Use MS VBA to create Operational Battle (ORBat) Chart quickly
- Awarded Best Commander Award

ActiveSG, Lifeguard**Dec 2012 – Mar 2017**

- Responsible in ensuring safety of public pool users
- Responsible in ensuring maintainance of pool operations
- Picked up customer service skills

Co-Curricular Activities**Chambers Club, Member****Dec 2018 – May 2019**

- Picked up violin lessons and performed in concert as a second violinist

Digital Design and Development Club (3DC), Member**May 2017 – Sept 2018**

- Teacher assistant in Python workshop

Student Government (ROOT), Alumni Relations Director**May 2017 – Sept 2018**

- Supported and assisted the hosting of events for both alumni and students
- Lias between students and alumni
- Hosted Grassroot sessions to acquire feedback from students and distribute food to students
- Assisted in hosting of Town Hall

Mountaineering, Vice-president (Expedition)**May 2017 – Sept 2018**

- Sourced for sponsorships from organizations
- Outlined plans for overseas expeditions with Youth Expedition Projects (YEP) with a social cause, such as replanting Mount Rinjani project.

House Guardian, Member**May 2017 – Sept 2018**

- Hosted cohesion events for 45 residents
- Team lead in organizing a blockbuster event for roughly 170 residents. In charge of both planning of the event and sourcing from external vendors
- Oversee designated floor's rules and regulations

Voluntary work**St John Brigade, Officer****Jan 2013 – Present**

- Part of a team that planned and organized 2 large scale events for 400 people
- Occasionally rendered first aid services for public events

Certificates and Skills

Attended Certified Ethical Hacking (CEH) v11

Jan 2021

Attended CISCO CyberOps

Jan 2021

Attained CEHv10 Theory Certification

May 2019

- Proficient in Python, C language, C++, HTML, CSS, Javascript, React, Java
- Fluent in English and Mandarin (spoken and written)

Additional Information2nd runner-up in CIMB 3D Conquest Hackathon

2019

Champion in Citibank Hackathon

2018

Built a ticketing system web app for Accenture

2018