

## WORK EXPERIENCE

### **Intern, National Cybersecurity R&D Lab**

Feb 2024 – July 2024

- Consulted on cybersecurity curriculum for secondary school and junior college students.
- Developed an innovative MCQ Quiz Generator to assist educators in creating, modifying, and randomizing multiple-choice questions for a diverse testing experience.

### **Cybersecurity Engineer, DBS Bank**

Aug 2022 – Aug 2023

- Collaborate with cross-disiplinary teams and vendors to ensure overall bank cyberhygiene.
- Support and maintain cybersecurity systems.
- Review system and application activities to detect abnormalities based on provided criteria.

### **SOC Duty Analyst, DBS Bank**

Apr 2022 – Jul 2022

- Mastered the monitoring of cybersecurity alerts to ensure safety and integrity of bank's system, with minimal supervision. Tools and platforms used include Demisto, Extrahop, Exabeam, Deep Discovery Director, Digital Shadows, Ensign, IBM QRadar, Netcraft, UpGuard and Zerofox.
- Triaged and reviewed security events, network traffic, and logs to identify false positives and initiate escalation to appropriate parties when necessary.
- Performed incident response support for cybersecurity incidents through investigation, collection of evidence, systematic documentation and timely reporting within SLA.

### **IB Mathematics Educator, St. Joseph's Institution**

Jan 2020 – Dec 2021

- Taught Higher Level and Standard Level Mathematics to students aged 17-18.
- Developed and refined curriculum to emphasise innovative thinking and real-world applications.
- Mentored students in developing research and problem-solving skills, such as data management, modelling, statistical testing, analytical reasoning and evaluating information from real-world case studies.
- Initiated the greater use of education technology for learning and as forms of formative and summative assessments to create engaging and inclusive learning experience.

### **Education Officer, Ministry Of Education**

Jul 2013 – Jul 2019

- Oversaw instruction and welfare of an average of 70 students annually.
- Developed materials and conducted lectures to demonstrate the relevance of Mathematics in everyday life, to encourage a deeper understanding and appreciation for the subject.
- Trained students in developing research strategies, and collaboration and presentation skills in year-long projects which investigated and responded to authentic and complex challenges in society.

### **Freelance Writer**

Jan 2012 – Dec 2018

- Conceived web, social media and SEO-optimised content and campaigns for companies.
- Mastered HTML and Adobe Photoshop through self-directed learning.
- Companies include Amorepacific, Crabtree & Evelyn, Guardian, Lancôme, L'Oréal, SK-II and Watsons; and online platforms include Avenue One, Daily Vanity and Zalora.

## EDUCATION

### **National University of Singapore (Full time)**

Aug 2023 – Present

- **Masters of Computing (General Track)**
- Awarded the CSA-National Cybersecurity R&D Lab Scholarship

### **National Institute of Education (NIE) (Full time)**

Aug 2013 – Jul 2014

- **Postgraduate Diploma in Education, Mathematics (Junior College)**

### **Nanyang Technological University (NTU) (Full time)**

Aug 2009 – Feb 2013

- **Bachelor of Science, Second Class Honours – Upper Division (Mathematical Sciences, Statistics)**

## CERTIFICATIONS

- CompTIA Security+ (2022)
- (ISC)2 Certified in Cybersecurity (2022)
- EC-Council Certified Ethical Hacker (2022)
- EC-Council Certified Incident Handler (2022)
- EC-Council Certified Security Analyst v10 (2022)

## SKILLS

- **Languages:** English, Chinese (Mandarin), Japanese-Language Proficiency Test N4 (2017)
- **Software Programming:** Python, Java, JavaScript