

# ISAAC KOH

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## EDUCATION

### Nanyang Technological University

*Bachelor of Computing in Computer Science*

Matriculating August 2026

### Ngee Ann Polytechnic

*Diploma in Cybersecurity and Digital Forensics*

April 2021 - May 2024

- **GPA:** 3.97/4.0; Diploma with Merit (Top 10%)

## WORK EXPERIENCE

### Republic of Singapore Airforce (RSAF) NSF

July 2024 – Present

*Air Defense Weapon Operator (ADWO)*

- Developed an innovation project titled Project Baseball Card – an automated dashboard that help provide insight into trainee's performance
  - Leveraged Power-Bi, Microsoft Excel and DAX queries
  - Utilized within unit to provide targeted training to trainees and reduced analysis time by 50%
- Part of development team for Project Safety App, an application that aims to enhance the dissemination of safety information
  - Leveraged Microsoft Power Apps

### Ngee Ann Polytechnic

Feb 2024 – May 2024

*Associate Lecturer / Trainer, April 2024 - May 2024*

- Supported lectures in a 25-person class during practical sessions on Palo-Alto Firewall configuration
- Guided students on Palo-Alto Firewall set-up and configuration.

*Technical Support, Feb 2024 - April 2024*

- Configured 20+ lab computers with disk images in preparation for Mobile Device Security Forensics (MDSF) lessons
- Aided in the creation of practical materials on Magnet Axiom Software for MDSF lessons

### Center of Strategic Infocomm Technologies (CSIT)

Sept 2023 – Jan 2024

*Cybersecurity (Security Product and Technologies) Researcher Intern*

- Automated the analysis of security products
  - Automated the location of security software detection techniques
  - Utilized Python and Objected-Oriented concepts
- Conduct research to assess effectiveness on security products and technologies
- Perform analysis on security software utilizing tools such as x64DBG to understand software capabilities

## PROJECTS

### Threat Intelligence Analysis Project

August 2023-November 2023

- Inaugural batch of students to work in NP-Threat Intelligence and Detection Center (TIDC)
- Utilize Group-IB tools inclusive of Group-IB Attack Surface Manager (ASM) and Threat Intelligence Platform to perform threat analysis
- Provided recommendations and threat mitigation strategies
- Was done outside of school curriculum

## CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** ISC2 Certified in Cybersecurity
- **Technologies:** Python, C#, Java, Frontend (Javascript, CSS, HTML), Windows Server, Windows Active Directory, VMWare workstation, Virtual Box, Power-BI, x64DBG
- **Skills:** Fluent English, Conversational Chinese, Threat Analysis, Malware Analysis, Android App development
- **Competitions Participated:** DSTA CDDC 2025 Pre-University Category CTF Finalist (25<sup>th</sup> place), TISC 2023 Participation