KO JIA LING

Cybersecurity graduate seeking to leverage skills and gain experience to help protect Singapore's cyberspace.

Education

Diploma in Cybersecurity & Digital Forensics

Nanyang Polytechnic | 2019 - Present

- GPA: 4.0
- Admitted to Director's List for 3 semesters.
- Distinction grade for 12 modules, including Database Management, Data Structures & Algorithms, Applied Cryptography, Applications Security Project and more.
- 3 Diploma-Plus modules (Machine Data Analytics & Operational Intelligence, App Development with Swift, Cloud Computing Foundation).
- Established foundational information technology (IT) knowledge, with an emphasis on the cybersecurity trade. This includes knowledge on networking, operating systems, cryptography etc.

Singapore-Cambridge GCE O-Level

Anderson Secondary School | 2015 - 2018

- L1R4: 8
- L1R5: 10

Experience

Cyber Defenders Discovery Camp (CDDC) 2020 Capture-The-Flag

36th Team Placing, Poly/Uni Category

- Jeopardy style Capture-The-Flag competition organised by Defence Science and Technology Agency (DSTA).

Singapore Cyber Conquest (SCC) 2019

10th Team Placing

- Red/Blue team style Capture-The-Flag competition organised by Cyber Security Agency of Singapore (CSA).
- Represented Nanyang Polytechnic as a Blue team member.

NYP Back-To-School Capture-The-Flag Competition

3rd Place, 2nd Year Category

- Internal Capture-The-Flag competition organised by Nanyang Polytechnic Cybersecurity Interest Group for students in School of Information Technology.

Contact

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Technical Skills

- Digital Forensics (FTK, Encase)
- Machine Data Analysis (Splunk)
- Operating Systems (Windows, Linux)
- Programming languages (Python, JavaScript, Swift)
- Database (MySQL)
- Cloud Computing (AWS)
- Network design and configuration

Soft Skills

- Highly organised
- Efficient time-management
- Work well under pressure
- Able to grasp new concepts quickly
- Strong work ethic

Certifications

Alibaba Cloud Associate

Alibaba Group | 29 September 2020

- Certification designed for personnel who can use Alibaba Cloud Computing products. Covers all of Alibaba Cloud's core products from computing, storage, networking to security.

App Development with Swift Level 1

Apple | 28 August 2020

- Certification recognizes foundational knowledge of the Swift programming language, app developer tools, and core components of apps.

Ace of Coders 2019

Participation

- Pair-programmed game sprites to complete tasks independently in the CodeCombat multiplayer arena created by NUS Institute for the Application of Learning Sciences and Educational Technology (ALSET).

NYP WorldSkills Internal Selection

Participation

- Attended weekly training sessions in preparation for WorldSkills Singapore, Cyber Security category.
- Participated in 3-day selection test.

Notable Achievements

National Robotics Programming Competition 2018

1st, Best Robot Performance

- Robotics competition organised by Admiralty Secondary School and Nanyang Polytechnic.

National Robotics Competition 2017

1st, Best Presentation Award

- National qualifying competition for World Robot Olympiad, organised by Science Centre Singapore.

First Lego League Singapore 2016/17

1st, Best Mechanical Design Award

- National qualifying competition for First Lego League Internationals, organised by Duck Learning.

Leadership Appointments

Vice-President, Aikido Club

Nanyang Polytechnic | April 2020 - April 2021

- Support President in making decisions and delegating tasks to the executive committee.
- Planned training schedule for 40 members based on updated Covid-19 guidelines.
- Assisted in planning club activities such as training and orientation.

External President, Robotics Club

Anderson Secondary School | May 2017 - May 2018

- Directed the executive committee in logistics and administrative matters.
- Planned competition teams based on members' interests and skill levels.
- Planned training sessions for the senior and junior programmers.
- Taught 20 junior members basic programming using EV3 platform.
- Worked with logistics head to allocated resources for training sessions and competitions.

Co-Curricular Activities

Guitar Club

Nanyang Polytechnic | 2020 - 2022

- Performed for events such as Guitar Club annual concert, NYP Open House, NYP Spectrum .

Aikido Club

Nanyang Polytechnic | 2019 - 2022

- Attained 5th Kyu (Blue-Gold) belt.
- Led the club for warm-ups.

Robotics Club

Anderson Secondary School | 2015 - 2018

- Won 8 out of 20 competitions.
- Awarded by school Outstanding Young Innovator Award (for Outstanding Achievements in a Prestigious Competition).
- School Colours Award (Gold).
- Specialised in programming.