

Ryan Kwok

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kwokyto.github.io/resume

ACADEMIC QUALIFICATIONS

National University of Singapore

Aug 20 – Jul 24

- (Hons.) Degree in Information Security
- University Scholars Programme

Smart Nation Scholarship

2019

- 4 year bond with Cyber Security Agency of Singapore

TECHNICAL SKILLS

- CompTIA Security+
- EC Council Certified Ethical Hacker
- EC Council Computer Hacking and Forensics Investigator
- Google Cloud Associate Cloud Engineer
- Coding Literacy in Python, C, C++, and Java

WORK EXPERIENCE

Intern, Strategy, Cyber Security Agency

May 21 – Jul 21

- Research into international and local regulations in cybersecurity of AI, cloud, and telecommunications
- Research in future regulations of human augmentation, space technology, and quantum computing
- Provide recommendations to superiors on Singapore's regulatory direction in each cybersecurity field

Intern, Cyber Security Programme Centre, Cyber Security Agency

Feb 20 – Jul 20

- Conducted penetration tests and vulnerability assessments
- Automated onboarding process using Python
- Researched on cloud security and security in artificial intelligence

Teaching Assistant, National University of Singapore

Jan 20 - Present

- CS2113 Software Engineering & Object-Oriented Programming
- CS1010X Programming Methodology (Python)

National Race Officer, Singapore Sailing Federation

April 2019 – Present

- Conducted races for huge fleets with more than 100 participants
- Managed the safety of fleets of sailors during competitions

PERSONAL PROJECTS

A Safe Space

[FAQ](#) | [Telegram Bot](#)

- Telegram bot that simulates an anonymous group chat
- Created as a platform for USP students to hold conversations on mental health issues

USP Queue Bot

[Documentation](#) | [Telegram Bot](#)

- A queue system on Telegram
- Allows users to join the queue and gives admins the ease of managing late and missing users
- Automatically sends notifications to users nearing the end of the queue

SAILING AWARDS

Sailing Sportsboy / Sportsgirl Meritorious Awards

- IODA Optimist Asians Championship 2014 Individual: 7th | Team: 2nd
- IODA Optimist North American Championship 2014 Individual: 4th | Team: 1st
- IODA Optimist Worlds Championship 2014 Individual: 2nd | Team: 2nd