

NEO KEN HONG, KELVIN

SOFTWARE ENGINEER /
CYBERSECURITY

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PERSONAL PROFILE

I am a technology enthusiast and am always learning new trends, tools and techniques to hone my skills as both a software engineer and a cyber security specialist.

AWARDS & ACHIEVEMENTS

NOH4TS STANDCON CTF

- 1st Place (2022)
- ### DSTA CDDC CTF (University)

- 5th Place (2022)
- 10th Place (2021)

GovTech STACK the Flags (Tertiary)

- 10th Place (2020)

CSIT The InfoSecurity Challenge

- 10th Place (2020)

SAF CSSCOM

- Innovative Project Award (2021)
- Letter of Commendation (2020)
- Commander's Coin (2019)

Certifications:

Attained Organizational Systems Security
Analyst and Organizational Systems
Wireless Auditor certifications.

EDUCATION

National University of Singapore

Bachelor of Computing in Information Security
(Aug 2020 - Present)

- Current CAP: 4.69/5.0
- Member of NUS Greyhats (2020)
- Teaching Assistant for CS2113T Software Engineering & Object-Oriented Programming for AY 21/22 Semester 2

Singapore Polytechnic

Diploma In Infocomm Security Management
(Apr 2015 - Apr 2018)

- Final GPA: 3.973/4.0
- ISACA Award Recipient and Awarded Diploma with Merit
- President of DISM Gryphons (2016-2017)

EMPLOYMENT HISTORY

Software Engineer Intern

Visa Worldwide (May 2022 - Aug 2022)

- Developed user interface for automation with ASP.NET and Javascript for network operations team, reducing error from manual checks in OSPF and BGP servers.

Information Security Engineer (Freelance)

PayPal Singapore (Dec 2021 - Apr 2022)

- Developed and maintained secure data sharing platform using Private Set Intersection and Homomorphic Encryption in Go and C++, ensuring privacy and security of both parties.

Lead Programmer

Singapore Armed Forces (Jan 2019 - Aug 2020)

- Volunteered to the COVID-19 fighting efforts by decreasing administrative overhead through sending of medical appointment messages automatically through AWS and NodeJS.
- Improved welfare-related incentives for 30 regulars and NSFs through development of an off-taking web application, utilizing VueJS and Firebase as frontend and backend technology.

Research and Development Intern

Singapore Telecommunications Limited (2017)

- Provided reliable data ingestion for large volumes of streaming data into machine learning network through Apache Kafka and Scala.
- Experimented with Govtech to monitor malicious traffic through statistical analysis methods using Iguazio Platform, Python and Netflow.

SKILLS AND ABILITIES

- Languages: Proficient in English and Mandarin Chinese
- IT Skills: Proficient in Golang, JavaScript, Typescript, C++, Python, Java, C
- Technologies: Experience in Amazon Web Services, Firebase, Apache Kafka.