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

N0H4TS 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 (2022 - Present)

- 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 (2021- 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 (2018 - 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.