

KAN YIP KENG, JET

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EDUCATION

National University of Singapore (NUS)

Expected Dec 2021

Bachelor of Computing in Computer Science

- Specialization: Artificial Intelligence (AI) and Computer Security
- System Thinking & System Dynamics

SKILLS

- English, Chinese, Malay, Cantonese
- Artificial Intelligence: Python, TensorFlow, PyTorch, NumPy, Pandas, NLTK, OpenCV
- Computer Security: C, C++, GDB, IDA Pro, PEiD, Procmon, SysAnalyzer, WireShark, Unix/Linux security commands (nmap, netstat, iptables, etc.)
- Frontend Development: JavaScript, ReactJS, HTML & CSS, GitHub Actions, Netlify
- Backend Development: SQL, PostgreSQL, AWS S3, Node.js, NPM, Yarn, Postman
- Testing Framework: JUnit (Java), Jest (JavaScript), PyTest (Python), Fakelt (C++)

WORK EXPERIENCE

Full Stack Engineer Intern, National University of Singapore (NUS) **May 2020 - Dec 2020**

- Designed and improved a gamified online learning platform for the CS1101S course in NUS, benefiting more than 500+ computer science freshmen every year
- Collaborated closely with 3 NUS Computing professors and 5 NUS interns to ensure product meets target audience's requirements

Senior Tutor, National University of Singapore (NUS)

Aug 2018 - Dec 2019

- Tutored CS1101S class for 2 consecutive years, promoted to Senior Tutor in 2019
- Mentored 8 junior tutors for CS1101S Programming Methodology class

LEADERSHIP

Director, NUS AMCISA Freshmen Orientation Camp, Singapore

May 2019 - Jul 2019

- Conducted a student-initiated 8-day freshmen camp for 40+ Malaysian students
- Hosted a career profiling seminar jointly with Prudential Singapore with 50+ attendees

Chairperson, Tsun Jin High School Student Committee, Malaysia

Mar 2014 - Mar 2015

- Organized 11 school official events including Chinese New Year Festival, Performance Night, School Open Day, etc. involving thousands of manpower from staffs to students

AWARDS AND SCHOLARSHIP

- ASEAN Undergraduate Scholarship Recipient
- Competitive Programming: Malaysian Computing Challenge (MCC) 2017 Gold Medallist, National Olympiad in Informatics (NOI) 2017 Bronze Medallist, Asia-Pacific Informatics Olympiad (APIO) 2017 Malaysian Representative
- National High School Trilingual Speech Competition 2015 2nd Runner-up