Resume
Michael Kang

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WORK EXPERIENCE

NUSSU COMMIT, OPERATIONS & LOGISTICS DIRECTOR   2022 – Current
- In charge of maintaining/debugging NUS computers and cloud-based virtual machines.
- Managed cell members for duty allocations.

NUS ORBITAL 2022 (ARTEMIS), NATIONAL UNIVERSITY OF SINGAPORE   Apr 2022 – Jul 2022
- Main contributor with 200k lines of code, did Code Quality checks, automated test cases, CI/CD using custom GitHub Actions.
- NFT/Cloud-based, multi-platform, Open World RPG game.
- Hardest difficulty achieved by fulfilling extreme requirements in software engineering skills, such as Object-Oriented Programming (OOP) through game development and peer programming.
- Link (to documentation): https://tinyurl.com/2u6hww74

NUS COMPUTING CLUB, SPORTS CELL, FINANCE & LOGISTICS   2021 – Current
- Organized events and activities.

SIGNAL OPERATOR, SATCOMS, SINGAPORE ARMED FORCES   2019 – 2021
- Technical skills in operating signaling, satellite and networking communication equipment.
- Trained in CCNA, awarded best signal operator based on exemplary performance in CCNA theory.

EDUCATION

BACHELOR OF COMPUTING (COMPUTER SCIENCE) (HONOURS), NATIONAL UNIVERSITY OF SINGAPORE   Aug 2021 – Jun 2025
- Second Major in Quantitative Finance.
- Specialization in Networking and Distributed Systems

STANFORD CODE IN PLACE   Apr 2020 – Jun 2020
SINGAPORE GCE A LEVELS, ANGLO-CHINESE JUNIOR COLLEGE   Jan 2017 – Dec 2018

PERSONAL PROJECTS

@cs_notes_bot
- Telegram Bot that is able to provide users with a cloud based storage that handles text messages, images and any other files.
- Security is implemented in such a way that retrieval link is set to expire within a set time.
- It is based on NodeJS and JavaScript and self-hosted using Firebase.
- Link: https://t.me/cs_notes_bot

sghomework.me
- Website aims to provide needy secondary/primary school students with free tuition, hosted on GitHub pages.
- Tuition provided by a group of NUS student volunteers.
- Worked on frontend and backend using Bootstrap, JavaScript, and HTML.
- Link: https://sghomework.me/

Stock Analyzer
- Scraped real-time financial data from Yahoo Finance/Finviz to test trading & investment strategies.
- Filtered stocks according to certain criteria (DCF) are compiled into excel using Java.

Blockchain
- Project based on JetBrain Academy's Blockchain project.
- Applied hashing, multithreading skills and serialization skill in Java.
- Link: https://github.com/onepersonhere/Blockchain

SKILLS SUMMARY

Programming Languages
- (Expert) Java
- (Intermediate) JavaScript, C++, Python
- (Beginner) Bash/Shell, C, Assembly

Frameworks
- (Intermediate) JavaFX, Spring Boot, Swing

Testing
- (Intermediate) JUnit

Database
- (Advanced) Firebase

JavaScript frameworks
- (Intermediate) NodeJS

HACKATHONS

WELCOMECTF, NUS GREYHATS   Jul 2022
- First Place among 133 teams.
- Completed all of the questions in the fastest time possible.

STANDCON 2022, Div0-N0H4TS   Jun 2022
Grey Cat the Flag 2022, NUS GREYHATS and NCL   Jun 2022
- 111th Place among 455 teams.
- Completed several questions in the misc category, utilized reverse engineering skills.

Shopee Code League 2022   Mar 2022
- Spearheaded a team in solving algorithmic puzzles designed by Shopee Engineering team.
- Questions involved the utilization of graph theory and SSSP algorithms.

SCDF X IBM Lifesavers' Innovation Challenge: Call for Code 2020   Jun 2020
- Team project to create an app that processes SCDF operator's data and assess their health risk in their potential real time activities.
- Operator's real time data are filtered with Artificial Intelligence through IBM Cloud.
- Link (to documentation): https://tinyurl.com/2rsyk2m4