



LIN SI JIE
Software Engineer



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Skills

Full Stack Development

NodeJS + MongoDB
PHP/HTML + MySQL

Competitive Programming

C++ / Java / Python

Mobile Development

Android / iOS

Machine Learning

Python / Pandas

Fields of Interest

Data Structures / Algorithms
DevOps
Machine Learning
Parallel Programming

About me

I love to tinker with things. To me, programming is where I can create something exciting, something cool that I love and care about. Sometimes, I work for the pure satisfaction of seeing my creations come to life. And I won't stop till I'm there.

Experience and Notable Projects

2019

Shopee | Intern / Platform Engineering Group

I interned with Shopee for 3 months, developing an automated database failover system that focused on maintaining high availability and data integrity.

2018 - Present

International Olympiad in Informatics | Host Technical Committee

I will be part of the Host Technical Committee for Singapore IOI 2020. The IOI is a prestigious international competition, and I will be responsible for developing and maintaining an internal communication platform, as well as the task translation system.

2017 - Present

National Olympiad in Informatics | Technical Committee

I am part of the technical committee in organising NOI 2017-2020. The NOI is modelled after the IOI, and I am responsible for setting up, managing the automated judge and ensuring integrity of the competition.

2017 - Present

MrJudge | Developer

Mrjudge is an online judge developed with two of my close friends. Originally intended as an internal training platform, it has now expanded and used by over 1,500 trainers and students. It contains training problems from past programming contests.

2017 - Present

National University of Singapore | Teaching Assistant

I have gained experience as a Teaching Assistant for the following courses:

CS2040: Data Structure and Algorithms (6 iterations)
CS2030: Programming Methodology II (1 iteration)
CS1010: Programming Methodology I (1 iteration)

I was placed on the Honour List of Student Tutors twice for my teaching excellence.

2016 - Present

TinkerTanker | Intern / Freelance Trainer

I developed the GetHacking iOS app, a digital maker project in collaboration with IMDA Singapore, which allows anyone to program a micro:bit from scratch on their phones. I also worked on hardware projects, including a real-life Keep Talking and Nobody Explodes clone, built with Arduino and Raspberry Pi.

Education

2017 - Present

National University of Singapore

Bachelor in Computing (Honours) | Computer Science | CAP 4.94

Recipient of the NUS Merit Scholarship

I am currently a Year 3 student in NUS.

Notable modules taken:

CS3233 Competitive Programming | Dr Steven Halim
CS3281 Thematic Systems Project | A/P Damith C. Rajapakse
CS4231 Distributed and Parallel Algorithms | Prof. Yu Haifeng

Awards

2018 and 2019

Google Code Jam | Global Top 1000

National University of Singapore | Deans List

2017

Google Games | Champion Team

National University of Singapore | NUS Merit Scholarship

2014

TechInAsia Hackathon | 1st Runner Up

National Olympiad in Informatics | Silver