



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
Machine Learning
Parallel Programming
DevOps
Information Security

About me

I'm a hobbyist programmer and tinkerer. I love to code perhaps for the pure satisfaction of seeing something work. Programming to me is really about creating something exciting, something I love and care about. And I won't stop till I'm there.

Experience and Notable Projects

2018 - Present

International Olympiad in Informatics | Host Technical Committee

I will be part of the Host Technical Committee for Singapore IOI 2020, and will be responsible for developing and maintaining the translation system for IOI.

2017 - Present

National Olympiad in Informatics | Technical Committee

I have been part of the technical committee in organising NOI 2017-2019, and will continue to be in the technical committee for NOI 2020.

The NOI is modelled after the International Olympiad in Informatics

The technical committee manages the judge and ensures 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 (4 iterations)

CS2030: Programming Methodology II (1 iteration)

CS1010: Programming Methodology I (1 iteration)

I was placed on the Honour List of Student Tutors 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. The one-stop app contains tools to allow anyone to program a micro:bit from scratch. I also worked on some hardware projects, including a real-life Keep Talking and Nobody Explodes clone, built with Arduino and Raspberry Pi.

After the internship, I stayed on as a freelance trainer to teach programming.

Education

2017 - Present

National University of Singapore

Bachelor in Computing (Honours) | Computer Science

NUS Merit Scholarship

I am currently a Year 2 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

Google Code Jam | Global Top 1000

2017

Google Games | Champion Team

National University of Singapore | NUS Merit Scholarship

2014

TechInAsia Hackathon | 1st Runner Up

National Olympiad in Informatics | Silver