Education

National University of Singapore

Singapore

YEAR 2 STUDENT IN BACHELOR OF COMPUTING (COMPUTER SCIENCE), HONOURS

Aug. 2015 - Jun. 2019 (expected)

- Semester 3 CAP: 4.47 out of 5
- Courses: Software Engineering on Modern Application Platforms, Design and Analysis of Algorithms, Introduction to Computer Security, Introduction to Programming Languages

Skills_

Proficient In
Ruby, Ruby on Rails, Java, HTML, CSS, Javascript
Swift, React.js, SQL, Python, Django, C/C++, Scala, Bash
Languages
English, Bahasa Indonesia, Chinese (intermediate)

Experience_

Garena Labs Intern at Garena Online Pte. Ltd.

Singapore

SERVER DEVELOPER INTERN

May. 2016 - Aug. 2016

- Established a data aggregation system on Garena's real-time data to reduce time and memory usage of users' queries.
- Developed an API to assist programmers in obtaining results from the data aggregation system.
- · Integrated failed notifications from game APIs and established a user interface which provides programmers these notifications.
- · Assisted developers in creating a round-robin game tournament administration system.

Projects

Indonesian Online Math Contest Website (https://github.com/donjar/kontes-terbuka)

FULL-STACK DEVELOPER Apr. 2016 - Present

- Developed a math contest system on a Ruby on Rails-NGINX-Unicorn stack.
- Optimized complex database queries involving as many as six tables.
- Designed a mobile-friendly interface with a good user experience.
- · Incorporated security features, such as sanitation of user inputs, authorization and authentication systems.

Hack&Roll Hackathon 2016 (http://devpost.com/software/hacknroll)

NUS, Singapore

Jan. 2016

BACK-END DEVELOPER

- Developed a program to automatically generate an NUS timetable in less than 24 hours.
- In charge of designing and implementing the algorithm to generate the timetables in Javascript.

Extracurricular Activity

NUS Students' Union Committee for Information Technology

NUS, Singapore

TECHNICAL HEAD

Sep. 2015 - PRESENT

- · Maintained a web server consisting of a homepage using Wordpress CMS and an internal website written in PHP.
- Provided web development training to members on PHP and Ruby on Rails.

NUS Hackers (http://nushackers.org)

NUS, Singapore

CORETEAM MEMBER

Dec. 2016 - PRESENT

· Conducted a HTML/CSS workshop for around 100 participants.

NUS School of Computing

NUS, Singapore

TUTOR FOR CS2020: Data Structures and Algorithms (Accelerated)

Jan. 2017 - PRESENT

- Currently teaching 11 students in the span of one semester.
- Prepared slides and extra problems for students, as well as marked their problem set solutions.

Awards

International Mathematical Olympiad

South Africa and Thailand

BRONZE MEDALIST

2014, 2015

· Won two bronze medals in the International Mathematical Olympiad, the most prestigious high school mathematical competition in the world.