Herbert Ilhan Tanujaya

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Education

National University of Singapore   *Singapore*
YEAR 2 STUDENT IN BACHELOR OF COMPUTING (COMPUTER SCIENCE), HONOURS   *Aug. 2015 - Jun. 2019 (expected)*
- Semester 2 CAP: 4.70 out of 5
- Relevant courses: Introduction to Computer Security, Computer Organization, Design and Analysis of Algorithms, Introduction to Programming Languages

Skills

Proficient In   Java, Ruby, Ruby on Rails, HTML5, CSS, SCSS, Javascript, SQL, Git, LaTeX, NGINX
Familiar With   Python, C/C++, Scala, Bash, PHP, Django, HAML
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*
BACK-END DEVELOPER   *Jan. 2016*
- 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

Indonesian Online Math Contest   *Indonesia*
PRESIDENT   *Jan. 2016 - PRESENT*
- Coordinated a team of 40 people in organizing a monthly online mathematics contest with around 120 participants every month.
- Proposed marketing strategies to expand outreach, including the utilization of social media such as Facebook and LINE.
- Published two math olympiad books with around 150 past problems and solutions each.

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.
- Supervised a team of five in troubleshooting issues on NUS computers.

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.