Julius Putra **Tanu Setiaji**

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Education

National University of Singapore *Singapore*

YEAR 1 UNDERGRADUATE, BACHELOR OF COMPUTING (COMPUTER SCIENCE), HONOURS *Aug 2017 - May 2021 (expected)*

- Current CAP (Cumulative Average Points): 4.68 out of 5.00
- Intended focus area: Software Engineering, Information Security
- Coursework: Programming Methodology, Linear Algebra, Calculus, Discrete Mathematics

Skills

Experienced	JavaScript, PHP, HTML, CSS, Bash, Ubuntu-based Linux, Visual Basic, Ruby on Rails, Git
Familiar	HTML, CSS, PHP, Ruby on Rails, SQL, C, C++, Ruby, OpenWRT
Learning	Java, Elixir, Phoenix Framework, TypeScript, React, Redux, LaTeX, Hugo
GIS	Caliper Maptitude, ArcGIS
Languages	English, Bahasa Indonesia, Bahasa Melayu, Mandarin Chinese (Learning)

Experience

PT. Cardno Indonesia / Asian Development Bank *Jakarta, Indonesia*

ASSISTANT ENGINEER *Dec 2016 - Jul 2017*

- Learnt Geographical Information System (GIS) and generated thematic maps of different ports based on its hinterland potential.
- Synthesised data from various Indonesian sources for further analysis by expert engineers.

Projects

MyToDo (https://github.com/indocomsoft/cvwo-assignment-2017)

DEVELOPER (RUBY ON RAILS, BOOTSTRAP, JQUERY) *Dec 2017 - PRESENT*

- A mobile-optimised To-Do List web application, complete with categorisation.
- Set up automated CircleCI build, Coveralls code coverage, and CodeClimate maintanability assessment, and deployed on Heroku.

Source Academy *Singapore*

DEVELOPER (ELIXIR, PHOENIX FRAMEWORK, TYPESCRIPT, REACT, REDUX) *Jan 2018 - PRESENT*

- The website for CS1101S, a module based on the famed SICP book, taught in a subset of JavaScript called The Source.
- It is used as an IDE for the language used in the module, as well as a platform to disseminate problem sets, lecture notes, etc. and to collect and grade assignments.

Wi-Fi Extender and Load-balancer (https://github.com/indocomsoft/Maker-Portfolio) *Singapore*

BUILDER AND DEVELOPER (OPENWRT, SHELL SCRIPT) *Jan 2016 - Oct 2016*

- Using Wi-Fi routers connected via powerline adaptors to extend coverage from one point to the other, but one Wi-Fi router is used as a load-balancer, utilising several other Wi-Fi routers in order to obtain higher speed on a Wi-Fi network with per-device speed limit.
- Wrote a shell script for monitoring and to generate traffic so as not to be logged out from the captive portal. Also wrote a script to parallelise rsync and downloads. More details available on the link above.

Extracurricular Activity

NUS Hackers *Singapore*

CORETEAM MEMBER *Nov 2017 - PRESENT*

- A student group committed to the spread of hacker culture and open source software in Singapore
- In charge of Friday Hacks, NUS Hackers' weekly Friday meetups which include one or two technical talks, followed by a hacking session.

NUS Student Union Committee for Information Technology *Singapore*

TECHNICAL CELL MEMBER *Aug 2017 - PRESENT*

- Documented procedure to rapidly image computers from a lab and deploy it on another lab using a FOSS solution (Clonezilla).
- Gained expertise in web development, especially in Ruby on Rails, to rewrite the internal CCA website in Ruby on Rails.

Awards

2016	**Bronze Medallist**, Singapore 19th National Olympiad in Informatics	*Singapore*
2017 - 2021	**Scholar**, ASEAN Undergraduate Merit Scholarship	*Singapore*