

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: 4.50 out of 5.00
- Intended focus area: Software Engineering, Information Security
- Coursework: Programming Methodology, Discrete Mathematics

Skills

General Computing	C/C++, Ruby, Bash, Ubuntu-based Linux, Visual Basic
Web Development	HTML, CSS, JavaScript, PHP, Ruby on Rails, SQL
Learning	Python, Elixir, Phoenix Framework, TypeScript, React, Redux, \LaTeX
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

CS1101S Programming Methodology Website (CP3108)

Singapore

DEVELOPER

Jan 2018 - PRESENT

- The website for CS1101S, an NUS Introduction to Programming module based on the famed SICP book, taught in JavaScript.
- Back-end is in Elixir with Phoenix Framework (on Erlang VM), while front-end is in TypeScript, React, Redux.
- Developed feature x

NUSSU commIT Internal Duty and Problem Report Website

Singapore

DEVELOPER

Aug 2017 - PRESENT

- Totally rewriting the CCA website in Rails.
- The website is used to manage supervising duty for members of the CCA and track tickets for issues with computers in the computer centres.
- The legacy system utilised a buggy and difficult to maintain in-house framework.

Extracurricular Activity

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 open-source tools.
- Gained expertise in web development, especially in Ruby on Rails, to rewrite the internal CCA website in rails.
- Supervised 2 computer centres in NUS.

NUS Hackers

Singapore

CORETEAM MEMBER

Nov 2017 - PRESENT

- A student group committed to the spread of hacker culture and open source software in Singapore

Awards

2016 **Bronze Medallist**, Singapore 19th National Olympiad in Informatics

Singapore

2017 **Scholar**, ASEAN Undergraduate Merit Scholarship

Singapore