W/Y

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Computer engineering undergraduate

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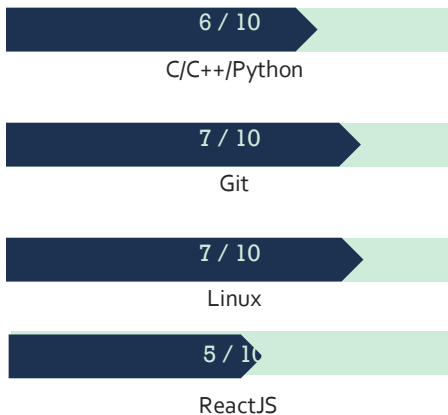
🔗 **Personal website**

ABOUT ME

An inquisitive learner with a passion towards all things tech. Love the fulfilment brought by building cool software, especially so when it benefits the community.

Hobbies include learning open-sourced tech stacks that could help me build the things I enjoy. Likes powerlifting and working out as it keeps me grounded and disciplined.

I have experiences in low level embedded languages like C/C++ as well as scripting languages like python. I was also taught the fundamentals of software engineering principles in my university.

TECH STACKS

6 / 10
C/C++/Python

7 / 10
Git

7 / 10
Linux

5 / 10
ReactJS

EDUCATION

Bachelors (Hons.) / Computer Engineering
National University of Singapore
Aug 2018 – May 2022 (Current GPA:4.29/5.0)

Course Highlights: Data structures and algorithms, Internet security and known vulnerabilities, Software engineering and product design, Computer architecture and operating systems.

EXPERIENCE

Full stack intern

NUS Information Technology / Singapore / Dec'19 - Present

Co-developed a prototype wireless sensor using a 3-tier architecture.

- Coded the back-end python scripts required for the sensor to automatically capture data and wireless statistics 24/7.
- Planned the design of the database in MySQL for the captured data to be stored.
- Developed a user-friendly front-end web dashboard to present the data pulled from database.
- Established an AWS EC2 cloud instance for the web server and database to live in and learned the protocols required for the sensor and the cloud server to communicate.
- Current milestones: Setting up configurable parameters in the back-end python scripts and improve user interface of front-end web dashboard.