

liyicheng

about

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languages

english (native)
chinese (native)

skills

JavaScript, CSS3, HTML5
PHP, Python, C/C++
LAMP/LEMP Stacks, LaTeX
Class 3 Driving Licence

summary

Highly-driven and motivated self-taught programmer seeking internship opportunities where I can further hone and apply my capabilities. Mission-oriented, firmly believes in the importance of good collaboration, and willing to learn. Passionate in all things tech.

Available and able to commit from February 2019 to August 2019.

experience

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|-----------|--|------------------|
| 2017-2019 | System Administrator, Singapore Army | National Service |
| | Oversaw and administrated all aspects of a computer network (e.g. servers, clients, and switches) used by the army for high security events such as the Trump-Kim Summit. Exceeded expectations by constantly improving workflows and tackling numerous technical challenges, and awarded the rank of Corporal First Class in recognition. | |
| 2015-2016 | Founding Member, Coding 4 Children | Volunteer Work |
| | Taught underprivileged children aged 9-12 programming fundamentals using Scratch, aiming to pique their interest in STEM and related fields. | |
| 2011-2016 | Member, Hwa Chong Infocomm & Robotics Society | CCA |
| | Represented school in computer & robotics related competitions such as the Singapore Games Creation Competition. Administrated the CCA server running on the LEMP stack, and taught programming & computer security to other CCA members. | |

education

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|-----------|--|-----------------------|
| 2011-2016 | GCE A Levels PCME + H3 Semiconductors | Hwa Chong Institution |
| | Took the most rigorous course load possible (4 H2 subjects and 1 H3 subject) and excelled, achieving distinctions in all 8 subjects taken. | |
| | Admitted under early decision to Carnegie Mellon University's Class of 2023, where I will pursue a degree in Electrical & Computer Engineering from August 2019 onwards. | |

selected projects

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|-----------|---|-----------------------|
| 2017 | SnatchCar | Python 3 |
| | Created a Python web scraper which automatically searched through a driving centre's web portal and booked available driving lessons. | |
| 2016 | Digital Timer Display | JavaScript, HTML, CSS |
| | Created a dynamic digital timer display for the 24 Hours Static Kayaking Challenge which displayed the time elapsed, mileage clocked, and amount of money raised for charity. | |
| 2015-2016 | Forex Trading Simulator | LAMP Stack |
| | Created a Forex Trading Simulator for the Hwa Chong Economics Department to use as a teaching aid, where students aim to maximise their investment profits by purchasing and selling different foreign currencies in a virtual world. | |