

Liew Zhao Wei

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EDUCATION

Hwa Chong Institution (2013 - 2018)

Studied Physics, Math, Computing, and Economics

ACHIEVEMENTS & AWARDS

Distinguished Achievement Award

2018 National Chinese Mobile App Development by Students for Students Competition (Singapore Centre for Chinese Language)

- Built a Unity mobile game to aid primary school students with learning Chinese
- Built the data management and navigation systems
- Guided my team through the planning stages of the app

Special Award

SkillsFuture Singapore Hackathon 2018 (UP Singapore)

- Built a web app to connect students seeking answers and the community (Node.js, JS, HTML, CSS)

2nd Place & Silver Award (pre-university)

Cyber Defenders Discovery Camp 2017 & 2018 (DSTA)

- Pit my team's cybersecurity skills against other pre-university teams in a 2-day wargame

Grand Prize

Google Code-in 2017 (Google)

- Collaborated with various open-source mentor organizations like JBoss and Wikimedia
- Contributed in feature development and bug fixing (Node.js, Python, Android)

Merit Award

*Singapore Science and Engineering Fair 2017 (A*STAR, MOE, Science Centre Singapore)*

- Applied ant colony optimization techniques to enhance the performance of a model network
- Built a Java Swing GUI for debugging and visualizing performance of the model network

PROJECTS

LineageOS / CyanogenMod - contributor to a third-party Android distribution

- Maintained ports for devices like the Xiaomi Redmi 3S and the Samsung Galaxy S4
- Worked on custom features like the touchscreen gesture management system
- Forward ported various features from older releases to newer releases

Optical Localisation of Robots - a team project for NUS Hack&Roll 2018

- Optically localised a sensor-less robot in a robotics play field using a camera with a bird's-eye view and a server that updates the robot of its position (HTML, JS, Node.js)

SKILLS

Web frontend (HTML, CSS, JavaScript/JS), Android (Java, Kotlin), Node.js, Arduino