Liew Zhao Wei

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EDUCATION

National University of Singapore
Computer Science and Mathematics (starting 2021)

WORK EXPERIENCE

Open Government Products
Software Engineering Intern (starting Feb 2021)

Tinkertanker
Technology Education Intern (Jan 2019 - Mar 2019)
- Improved usability and experience by developing features and redesigning the website
- Fixed and reduced issues by fixing bugs and writing tests for the Android app
- Technologies used: Ruby on Rails, Ruby, JavaScript, HTML, CSS, Android, Java, Arduino, C

AWARDS

National Chinese Mobile App Development by Students for Students Competition
Distinguished Achievement Award (2018)
- Led a team of 4 to develop an educational Chinese Unity mobile game
- Developed the crucial player movement, pathfinding, and state management systems
- Technologies used: Unity, C#

Google Code-in
Grand Prize (2017)
- Fixed bugs and implemented features for the Wikimedia, Terasology, and JBoss projects
- Improved developer experience by documenting features and writing write-ups
- Technologies used: Java, Android, Node.js, JavaScript, HTML, CSS

Cyber Defenders Discovery Camp
2nd Place (2017, 2020) and Silver Award (2018)
- Exploited vulnerabilities in web servers and binaries during a CTF contest
- Technologies used: Wireshark, Gobuster, nmap, SSH, and various other pentest tools

Singapore Science and Engineering Fair
Merit Award (2017)
- Increased network throughput and adaptability by designing a model networking algorithm with any colony optimisation and load balancing
- Eased monitoring and debugging by developing visualisation and benchmarking tools
- Technologies used: Java Swing, Java

PROJECTS

LineageOS, formerly CyanogenMod
- Oversaw the maintenance of devices like the Samsung Galaxy S4 and the Xiaomi Redmi 3S
- Improved user experience by developing core framework features like touchscreen gesture recognition
- Technologies used: Android, Java, C++, Makefile, Linux, C