

# LEONG KO RYAN JASPER

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## EDUCATION

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**National University of Singapore**  
**Bachelor of Engineering (Honours)**  
**Engineering-Scholar's Program**

- Major in Computer Engineering

**Present – June 2026**

## WORK EXPERIENCE

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**HolyWally, Product Intern**

**April 2023 – June 2023**

- Developed internal tools using Superblocks to integrate with PostgreSQL DB and HolyWally Backend API to aid Product team with testing
- Wrote Jira tickets with Technical Requirements and Acceptance criteria to assign tasks to developers for feature implementation/ bug fixing
- Conducted QA testing for web portal and mobile app, designing API calls using Postman to third party APIs
- Updated and created articles in Company's documentation with Docusaurus and Azure DevOps

**Singapore Armed Forces, Combat Medic**

**January 2021 – November 2022**

- Provided Medical coverage for a platoon of 20 soldiers in 8th Singapore Infantry Regiment
- Trained in Basic Cardiac Life Support (BCLS) and administering CPR and AED
- Underwent a 3-month medic course conducted by SAFMTI based on syllabus by Justice Institute of British Columbia

**Infineon Technologies, Intern**

**June 2018 – June 2018**

- Assigned by Senior Director of Corporate Supply Chain to create a project with Hall effect sensors, Arduino and DAVE (a C/C++ programming language made by Infineon)

## PROJECTS AND ACTIVITIES

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**Harvard CS50x Final Project**

**March 2022 – March 2022**

- Posted full source code on GitHub Repository: <https://github.com/ryryry-3302/RyNance>.
- Launched a solo project to build a website to help Singaporean Youth make better financial decisions and learn more about retirement planning with 2 core functions, Retirement Calculator and Budgeting tool.
- Built website using Flask Framework, Bootstrap, SQLite3, Python, JavaScript, CSS.

**Chips@School Competition, 1st Place****August 2017 – August 2017**

- Embarked on a project grey water recycling using Arduino chips to reduce water usage in HDBs.

**CO-CURRICULAR ACTIVITIES AND VOLUNTEER EXPERIENCES**

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**Publicity Team, International Service-Learning Expedition****March 2019 – March 2020**

- Cooperated with a 25-member student team embarked on a service-learning project with primary objective of constructing a water filter in a village Luang Prabang, Laos
- Edited videos and help to maintain the CCA's social media page with team of 4

**Volunteer, Causes For Animals Singapore****February 2019 – April 2019**

- Maintained and cleaned kennels for stray dogs at the CAS shelter as well as walk, feed and groom dogs at shelter

**ADDITIONAL INFORMATION**

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- **Languages:** Native English Speaker, Elementary Chinese
- **IT Skills:** C/ C++, Arduino Programming, Python (Flask, Django), JavaScript, HTML (Bootstrap5), SQL (SQLite3, PostgreSQL), Git, Github, Visual Studio Code