

# JOEL NG YI XIAN

portfolio site: [joelngyx.github.io](https://joelngyx.github.io)

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## EDUCATION

National University of Singapore

Aug 2019 – June 2023 (Expected)

*Bachelor of Engineering (Hons), Computer Engineering,*

- Current Cumulative Average Point (CAP): 3.96 / 5.0
- Technical skills:
  - ❖ Programming Languages: JavaScript, HTML, CSS, Java, PostgreSQL, Python, C, C++, Dart
  - ❖ Libraries/Frameworks/Tools: React JS, Bootstrap, Flutter, Git, GitHub, Node JS, Firebase, Figma, Microsoft Excel

## INDUSTRY EXPERIENCE

Thales Solutions Asia

May 2021 – Nov 2021

*Software Development Intern, Integrated Supervision & Control System Solutions Department*

- Worked on the Replayer Project, an application that facilitates the simulation of track activity on the North-East Line.
- Developed the Graphical User Interface (GUI) and the middleware for the Replayer Project using Python and C++ respectively.
- Performed testing for the Replayer Project on the Man-Machine Interface (MMI) and SCADAsoft, a multi-domain Supervisory Control and Data Acquisition (SCADA) software application developed by Thales.

Tusitala Books

May 2022 – Present

*Web Development Intern*

- Contributed to the development and maintenance of multiple microsites and web applications for the company's clients. Some of these projects include Esplanade's digital series, Little Red Comma, and Singapore Heritage Fest's Book Trips microsite.
- Programmed with languages such as HTML, CSS, JavaScript, and libraries/frameworks such as React JS, Bootstrap, Web Audio API, and A-Frame.
- Worked closely with designers, editors, and clients, and participated in the contribution of ideas for proposals and projects.

## PROJECTS

*QuerIt*

*Flutter, Firebase, Git*

- An Android application on which users can create chatrooms that can be joined by other users in the vicinity.

*Tune-About*

*React JS, Bootstrap, Reddit API, iTunes Search API*

- A web application that returns lyrics, relevant Reddit posts and other information related to a given song.

*Don't Shoot Stinky*

*PostgreSQL, Express JS, React JS, Node JS*

- A web-based game based on Russian Roulette, with players' scores stored in the back end.