



RAY TOH 🙌

Hello! I am a penultimate year
Computer Science student seeking
for internship in December 2021.

CONTACT

[Linkedin](#) [Github](#) [Website](#)

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SPECIALISATION

- Software Engineering
- Computer Security
- Artificial Intelligence

SKILLS

- Git & Github
- Android Studios
- Swift
- React & React Native
- Unity
- Firebase
- MySQL & PostgreSQL
- Tensorflow & PyTorch
- Node.js
- Python, Java, JavaScript
- C, C++, C#

& [more](#)

EXPERIENCES

MACHINE LEARNING ENGINEER INTERN

DEFENCE SCIENCE & TECHNOLOGY AGENCY

MAY 2021 – AUG 2021

- Developed smart behavior for computer-generated forces in a computer simulation model, based on Unity's ML-Agents.
- Trained Artificial Intelligent models using various reinforcement learning algorithms and used self-attention mechanism to improve on the existing models.

& [more](#)

PROJECTS

POWERPUFF GIRLS — [view pitch slides](#)

MOBILE DEVELOPMENT WITH BACKEND

- Designed and prototyped a mobile application using Android Studios to augment the government's efforts in contact tracing.
- Leveraged on Firebase, an existing Backend-as-a-Service, for various frameworks including authentication, realtime database and hosting for multiplayer games.

CANDIDATES — [see project website](#)

JAVA & JAVAFX SOFTWARE ENGINEERING PROJECT

- Developed an application with 4 other developers following a standard Git workflow, managed product releases, code repository and integration of software.
- Automated testing using JUnit5, achieving 77% code coverage with more than 25 kLoC.

PORTFOLIO WEBSITE — [visit my website](#)

PERSONAL WEBSITE BUILT USING HTML, CSS & JAVASCRIPT

- Built a mobile reactive and browser compatible website as a portfolio to showcase my projects and achievements.
- Purchased and managed a domain name, used Github Pages as a web hosting tool to host my website and Improved Search Engine Optimisation (SEO) on all popular search engines.

& [9 more](#)

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE

BACHELOR OF COMPUTING IN COMPUTER SCIENCE (HONS)

AUG 2019 - PRESENT

4.51 Cumulative Average Points

Expected First Class Honours