

# NEALE THAM

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Period of Availability: 03/05/23 - 31/07/23 (Summer Internship)

## EDUCATION

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**National University of Singapore** **Jan 2021 - Present**

**Bachelor of Computing in Computer Science (Honours)**

Cumulative Average Point (CAP): 4.33 / 5.00

Expected Date of Graduation: May 2025

Relevant course work: Software Engineering, Computer Networks, Database Systems

**Temasek Junior College**

**Jan 2017 - Dec 2018**

**Singapore-Cambridge GCE A Level: Distinction in 4 Subjects**

Clubs and Societies: Students' Council

## TECHNICAL SKILLS

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Programming Languages: Java, JavaScript, Python, C, SQL.

Libraries, Frameworks, and Tools: JavaFX, JUnit, NextJS, React Native, Firebase, Expo, Figma, Git, GitHub.

## PROJECTS

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**Frontend Developer, RC4HDB - ([GitHub](#))** **Aug 2022 - Dec 2022**

- Collaborated in a Java brownfield project to create a HRMS to replace current solutions used in managing information of 500 hall residents.
- Applied MVC pattern by developing two JavaFX view components, rendering the data to assist the daily workflow of housing management staff.
- Devised and improved effectiveness and efficiency of over 50 JUnit test cases via equivalence partitioning and multiple input heuristics, increasing code coverage by 5%.
- Documented the developer guide using UML and activity diagrams via PlantUML to illustrate component design for developers looking to expand upon the project.
- Facilitated scrum meetings by providing a more focused meeting direction and ensuring equal work delegation via GitHub issue tracker.

**Backend Developer, Scam Detector (Hackathon) - ([GitHub](#) [DevPost](#))** **Jul 2022 - Jul 2022**

- Awarded Most Unorthodox Hack and 1st Runner Up for Safety theme, out of 117 participating teams.
- Collaborated in a team of 3 to develop a React website-application for users to search and report potential sources of scam amidst the rising scam cases in Singapore.
- Scripted the migration of over 2800 rows of scraped CSV data into Firebase to provide users with pre-existing data.
- Conducted a product pitch to a panel of industry-related judges on the motivation and 24-hour developmental process of creating Scam Detector.

**Full Stack Developer, STUDYLONGLONG - ([GitHub](#) [Figma](#))** **May 2022 - Aug 2022**

- Developed a React Native Android application aimed at encouraging productive work and study habits through gamification concepts.
- Overseen the entire SDLC, from conceptualization and UI/UX design via Figma to JavaScript ES6 development with Android Studios, to build process with Expo.
- Integrated Firebase password authentication, and Cloud Firestore database for CRUD functionalities with support of up to approximately 100 concurrent connections.