Rachel Lim Rui En

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PROFESSIONAL EXPERIENCE

TINKERTANKER PTE. LTD.
Freelance Coding Instructor (Aug 2022 – Present)
- Instructed students across more than 17 primary and secondary schools in various computational skills, including app development in Swift, IOT with M5Go, drone programming, game development, and algorithms.

Education Technology Intern Developer (Jan 2022 – Jul 2022)
- Redesigned and built a Next.js learning management system web application that serves as a user-friendly dashboard for instructors to assign and monitor student work, which has been adopted by 10+ company-contracted instructors across various classes.
- Collaborated with Apple to design curriculum, develop web marketing material, and produce instructional videos for the Swift Explorers' Singapore, a pioneering app design programme for students across 58 schools.

EXTRACURRICULAR EXPERIENCE

Member, SUTD Google Student Developer Club (Oct 2022 – Present)
- Ranked in the Global Top 100 Finalist in the Google Solutions Challenge 2023 with the development of a ReactJS full-stack route-builder aimed at advocating sustainable tourism.
- Achieved Top 12 Finalist in the TikTok Hackathon Challenge 2023 with a Flutter Android mobile application featuring a redesign of the app's e-commerce tab with strategic focus to increase traffic.
- Initiated and led a workshop focused on effective repository management with Git and GitHub, attended by a group of over 30 club members and fellow students.

Head of ROOTech, SUTD 12th ROOT Student Government (Feb 2024 – Present)
- Currently managing the development of 5 web and Telegram bot projects aimed at serving the student community
- Leading the organizing committee of the university's annual hackathon, What The Hack 2024

Director of ROOTech, SUTD 11th ROOT Student Government (Dec 2022 – Feb 2024)
- Designed and developed a landing page with React.js for the university's hackathon What The Hack 2023, which helped facilitate the registration of 395 participants.
- Designed and developed a publicity website, registration portal, and leaderboard system with React.js for the University's Night Fiesta event which saw over 400 attendees.

Developer, SUTD campusX Builders (Jun 2023 - Present)
- Currently designing and developing a ReactJS-based forum application within the Microsoft Teams environment, utilizing OpenAI and Question Answering AI technologies to provide automated responses to student queries on computational thinking modules

Beta Ambassador, Microsoft Student Learn Ambassadors (Oct 2022 – Present)
- Developed a browser extension with Chrome Web APIs to promote healthy screen usage by motivating users to take breaks away from their devices through gamification and collectibles. Ranked among the Top 5 Ambassador projects for the quarter.

EDUCATION

SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN
Bachelor of Engineering (Computer Science and Design)
Sep 2022 – May 2027 (Expected Graduation)
- SUTD Technology Entrepreneurship Programme Scholar
- GPA: 4.93

RAFFLES INSTITUTION
GCE A Levels
Jan 2020 – Dec 2021
- F.I.R.E. Award 2020-2021 for exemplary character in leadership

KEY SKILLS

- **Programming:** Python3, Javascript ECMAScript 6, Java
- **Front-end Development:** ReactJS, Next.js, HTML5, CSS,
- **Back-end Development:** Google Firebase, NodeJS, Express.js, MongoDB
- **Mobile Development:** Swift, Flutter, React Native, Android Studio
- **Others:** UI/UX Design, Classroom Management

CERTIFICATIONS

App Development with Swift Level 1
Apple, Aug 2020
https://www.credly.com/badges/2ba7dd3a-9128-4b44-84c0-722fc408813f?source=linked_in_profile

MISCELLANEOUS INFORMATION

- **Languages:** English (Proficient), Chinese (Basic)
- **Availability:** August 2024 to December 2024