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, game development, and algorithms.

Education Technology Intern Developer (Jan 2022 – Jul 2022)
- Redesigned and built a Next.js web-based learning management system 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 and develop web marketing material for Swift Explorers' Singapore, a pioneering app design programme for students across 58 schools.

EXTRACURRICULAR EXPERIENCE

SUTD Google Student Developer Club
Full-Stack Developer (Oct 2022 – Present)
- Ranked Global Top 100 Finalist in the Google Solutions Challenge 2023 with the development of a ReactJS-based 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 to increase traffic.
- Initiated a workshop focused on repository management with Git and GitHub, attended by a group of over 30 club members and fellow students.

SUTD 12th ROOT Student Government
Head of ROOTech (Feb 2024 – Present)
- Currently spearheading the design and development of 5 web and Telegram bot projects aimed at serving the student community with a team of 10 members using the SCRUM framework
- Overseeing the organizing committee of 10 students to plan and execute the university's annual hackathon, What The Hack 2024

SUTD 11th ROOT Student Government
Director of ROOTech (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.

Microsoft Student Learn Ambassadors
Beta Ambassador (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: 4.80/5.0

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