

DARYL YEE

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EDUCATION

National University of Singapore (NUS)

Expected Graduation: May 2024

Bachelor of Computing, Information Systems, Honours (GPA: 4.42)

- *Specialisation:* Financial Technology.
- *Coursework:* Data Structures and Algorithms, Enterprise Systems Architecture Design and Development, ERP Systems with Analytics Solutions, Computer Networks, Agile IT with DevOps, Pattern Recognition and Machine Learning.

PROFESSIONAL EXPERIENCE

CS Teaching Assistant | NUS

Aug 2022 – Dec 2022

- Prepared and conducted biweekly tutorials for over 20 students in the course BT2102 Data Management and Visualisation.
- Taught technical concepts and gave detailed feedback, obtaining a high rating feedback score of 86% (*SQL, Python*).

Software Engineer Intern | NCS

May 2022 – Jul 2022

- Created 10+ huge components for front-end development, set up RESTful APIs, managed JSON data and handled complex back-end logic in a large-scale Agile project of more than 50 developers (*Java, TypeScript, Angular, Spring, GitLab*).
- Executed SQL queries on Oracle database with 500+ tables and improved coverage by writing unit and integration tests.
- Carried out user acceptance testing, revised outdated codes and reduced assigned flags in Fortify report by over 60%.

Game Developer Intern | Ottodot

May 2021 – Aug 2021

- Pioneered a new EdTech game, *Parkour Rangers*, with a team of 5 international developers, hitting over 2.5 million visits.
- Engineered the gameplay sequence, debugged backlog items, and architected part of the system diagrams (*Lua, UML*).
- Presented 20+ new ideas to the management and supervised game-testing sessions with 10+ children across the globe.
- Analysed data obtained from GameAnalytics and Amazon Web Services (AWS) to make plans for future instalments.

PROJECTS AND ACHIEVEMENTS

Full Stack Developer, Team Lead | EduCouch: Learning Management System - [GitHub](#)

Aug 2022 – Dec 2022

- Spearheaded the development of a multi-generational LMS system in a team of 6, achieving a Band 1 Grade.
- Designed the overall concept and kick-started the backend and services (*Spring, ReactJS, React Native, AWS S3, Postgres*).
- Delegated tasks and consolidated 300+ pages of requirements and system analysis documentation.
- Implemented the largest module (Trivia/ Poll) and integrated an entire mobile application via WebSocket for quiz gameplay with real-time bidirectional communication between teacher and students.

Full Stack Developer | NUSociety: All-in-One Co-Curricular Activities Portal - [GitHub](#)

Jan 2022 – May 2022

- Established a one-stop CCA platform with administrative functions for students to network and join clubs, attaining high positive feedback of more than 90% for the showcase (*Java, TypeScript, Angular, Jakarta EE, JSP, JSF, JPQL, UML*).

Front-End Mobile Engineer | Shopee Ultra-Hackathon 2021 - [GitHub](#)

Feb 2021

- Collaborated with teammates to introduce a new feature to the e-commerce mobile app - 'Shared Cart Shopping', where users can share carts with customizable payment splitting (*JavaScript, ReactJS, Figma, BlueStacks*).
- Finished in the top 25% of teams out of over 400 teams that participated.

LEADERSHIP

Head of Publicity | NUS Voices, Premier Mandopop Club - [GitHub](#)

Jun 2021 – Jun 2022

- Liaised with internal and external organisations, managed publicity affairs as well as planned and organised club activities.
- Led the sub-committee of 5 to direct and produce publicity materials for Emerge Concert with an audience size of 300.
- Initiated a new publicity platform by creating the club's website using React and Instagram API, indexed with Google SEO.
- Overall efforts increased the number of followers on the club's social media websites by over 10%.

SKILLS

Programming Languages: Java, Lua, Python, HTML, CSS, JavaScript, TypeScript, PostgreSQL, SQL, JPQL.

Frameworks: ReactJS, React Native, Angular, Spring, Java EE, JSF, JSP, Ionic.

Technologies: UML, AWS S3, Git, Firebase, JUnit, Figma, R Commander, MS Excel, Tableau, Glassfish, Oracle, SAP S4/HANA, SAP Predictive Analytics, Object-Oriented Programming, BlueStacks, WebSocket.

Languages: Fluent in English and Mandarin.