

DARYL YEE

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EDUCATION

National University of Singapore (NUS)

Expected Graduation: June 2024

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

- *Expertise:* Distinction in ICT Solutioning with Specialisation in 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

Mobile & Cloud Full Stack Developer Intern | SAP

May 2023 – Present

- Analyse, debug and fix issues in SAP Mobile Development Kit, resolving 30+ JIRA tickets including several code commits for Web, iOS and Android platforms across different versions (*NativeScript, Swift, Kotlin, Java, JavaScript*).
- Communicate with stakeholders to deliver updates and develop a custom toolbar feature to improve user experience.

CS Teaching Assistant | National University of Singapore

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 feedback rating of 86% (*SQL, Python, Tableau*).

Software Engineer Intern | NCS (National Computer Systems)

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- Carried out user acceptance testing, revised outdated codes and reduced assigned flags in Fortify report by over 60%.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 2.7 million visits.
- Engineered the gameplay sequence, debugged backlog items, and architected part of the system diagrams (*Lua, UML*).
- Presented 20+ new features to the management and analysed data from Amazon Web Services (AWS) for future planning.

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 Trivia/Poll module, created and integrated a mobile application via WebSocket for quiz gameplay.

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

- Initiated and created the club's website using React framework, indexed with Google SEO.
- Liaised with organisations, managed publicity affairs, organised club activities and directed the sub-committee of 5 to produce publicity materials for Emerge Concert with an audience size of 300, overall increasing followers by over 10%.

SKILLS

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

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

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

Power Skills: Analytical Thinking, Leadership, Communication, Team Player, Problem Solving, Adaptability, Agile Framework.

Languages: Fluent in English and Mandarin.