

BRYANN YEAP

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EDUCATION

National University of Singapore (NUS)

Aug 2020 – May 2024
[Expected]

- Bachelor of Computing (Honours) in Computer Science
- Current Cumulative Average Point: 4.78/5.00 (Highest Distinction)
- Offered and accepted one of 3 spots reserved for NUS School of Computing in the Singapore Universities Student Exchange Programme (SUSEP), for an exchange experience to Singapore Management University (SMU)

WORK EXPERIENCE

Rakuten Asia

May 2022 – Jul 2022

Software Engineer Intern / Java, Spring Boot, MySQL, MongoDB, AWS S3, Kafka

- Committed 2 features to production that are used by an estimated 10,000 clients daily by developing microservice **REST API** endpoints with **Test-Driven Development** (TDD) using **Mockito** and **JUnit 5**
- Enabled integration testing of cloud computing services such as **AWS S3** by introducing mocks
- Maintained code coverage above 90% (monitored with **Jenkins**, **SonarQube**) and updated documentation of existing systems on **Confluence**

PROJECTS

Tech Offers Repo | Back-End Developer

Sep 2022 – Present

- Partnered with creators of the [Tech Interview Handbook](#) to construct a portal that allows job hunters to benchmark their job offers
- Gained more than **2000 new users** within the first **2 days** of marketing the platform
- Incentivised the submission of job offers by implementing an Offer Analysis feature, which benchmarks the users' job offers against other relevant offers from people with the same job title, same location, and similar YOE
- Became one of the [top contributors](#) of the [top 100 most starred repositories](#) on **GitHub**, standing at over **80k stars**
- Utilised the T3 stack comprising of **TypeScript**, **tRPC**, **Prisma**, **Next.js**, and deployed on **Vercel**

Giving Coupons | Full Stack Developer

Aug 2022 – Sep 2022

- Self-started an initiative with my peers geared towards raising both awareness and money for charities, charitable causes, and voluntary non-profit organisations
- Raised approximately **1000 SGD** for charities such as Make-A-Wish Singapore, Samaritans of Singapore, Handicaps Welfare Association, and more

CardBox | Full Stack Developer

Jan 2022 – Mar 2022

- Built a multiplayer iOS card game framework that involved computer network communication, and an online NoSQL database management system (**Firestore**)
- Devised and implemented a Request-Response protocol used for interactions between players across devices

Peggle Clone | Full Stack Developer

Jan 2022 – Mar 2022

- Recreated the game [Peggle](#) for all iOS platforms using **Swift** for the business logic, and **SwiftUI** for the view
- Maintained quality, readability, and maintainability of the code base by applied multiple design patterns such as MVVM, Delegate Pattern, Decorator Pattern, and Publisher-Subscriber Pattern
- Designed an extensible 2D physics engine from scratch, which required programmatically solving problems such as detecting 2-dimensional intersections, simulating physical phenomena (i.e. gravity, collisions, restitution), and rendering frames of the 60Hz game loop smoothly

CO-CURRICULAR ACTIVITIES

Google Developer Student Club NUS | Back-End Lead

Aug 2022 – Present

- Collaborated with [The Food Bank Singapore Ltd](#) to create a Learning Content Management System to be used by their Juniors Club programme, consisting of over **100 members**
- Facilitated development of the back-end architecture, including database schema and API endpoints
- Enforced a high standard of code quality by reviewing approximately **20 pull requests** opened by fellow members

NUS School of Computing | Teaching Assistant

Aug 2022 – Present

- Conducted weekly lessons for the following modules: **Software Engineering**, **Computer Organisation**
- Monitored students' progress on deliverables, graded assignments, and invigilated examinations

AWARDS

- 21st School of Computing Term Project Showcase (STePS)
 - Achieved **3rd place** by garnering immense attention and votes when showcasing the [Tech Offers Repo](#)
- Commendation Letter for top students in Programming Methodology II
- SBSTransit Education Award – University Category (Every year from 2020 – Present)

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript/TypeScript, Swift, Python, HTML/CSS, C, C++, C#
- **Framework and tools:** ReactJS, Next.js, Spring Boot, SQL, NoSQL, Prisma, tRPC, Hadoop, Spark
- **Coursework:** Data Structure & Algorithms, Computer Networks, Database Systems, Big Data Systems
- **Languages:** English (Proficient), Chinese (Basic)