

# BRYANN YEAP

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## EDUCATION

### National University of Singapore (NUS)

Aug 2020 – May 2024

- Bachelor of Computing (Honours) in Computer Science
- Current Cumulative Average Point: 4.71/5.00 (Highest Distinction)
- 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

### Government Technology Agency (GovTech)

May 2023 – Aug 2023

Software Engineer Intern | Svelte, TypeScript, Tailwind

- Created multiple **front-end components** that will be used by public officers and potentially members of the public
- Ensured functionality and quality of codebase by reviewing fellow interns' code

### Rakuten Asia

May 2022 – Jul 2022

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

- Committed 2 features to production that are utilized by an estimated 10,000 clients daily by developing microservice **REST API** endpoints through **Test-Driven Development** (TDD) with **Mockito** and **JUnit 5**
- Performed 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 – Nov 2022

- Partnered with the creator of [Tech Interview Handbook](#) and [Blind75](#) to construct a portal that allows job hunters to benchmark job offers
- Gained more than **2000 new users** within the first **2 days** of marketing the platform
- Became one of the [top contributors](#) of the [top 50 most starred repositories](#) on **GitHub**, standing at over **100k 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 some 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 with a **Progressive Web Application (PWA)**

### Peggle Clone | Full Stack Developer

Jan 2022 – Mar 2022

- Recreated the game [Peggle](#) for all iOS platforms with **Swift** for business logic, and **SwiftUI** for the interface
- Applied 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 smoothly rendering frames of the 60Hz game loop

## CO-CURRICULAR ACTIVITIES

### Google Developer Student Club NUS | Back-End Lead

Aug 2022 – Present

- Collaborated with *The Food Bank Singapore Ltd* and created 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

### NUS School of Computing | Teaching Assistant

Aug 2022 – Present

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

## AWARDS

- 21<sup>st</sup> School of Computing Term Project Showcase (STePS)
  - Achieved **Best Project Award – Silver** by garnering 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, Svelte, Next.js, Tailwind, Spring Boot, SQL, NoSQL, Prisma, Redux, NestJS
- **Coursework:** Data Structure & Algorithms, Computer Networks, Database Systems, Big Data Systems
- **Languages:** English (Proficient), Chinese (Basic)