

Jun Onn TAN

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EDUCATION

Singapore University of Technology and Design (SUTD)

Singapore

B.Eng. in Engineering Systems and Design, Honours

- Focus Track: Business Analytics and Operations Research, Aviation Systems, GPA:4.57/5.00
- Expected Date of Graduation: May 2025

WORK EXPERIENCE

Great Eastern Life Assurance Co. Ltd

Singapore

Digital Analytics Intern (Google Analytics)

Aug 2023 to Dec 2023

- Developed and implemented custom JavaScript tags for Google Tag Assistant and Qualtrics, enabling accurate user behavior tracking across 5 corporate websites, including OCBC bancassurance platforms and internal insurance agent platforms.
- Designed Google Looker dashboards to monitor international sales and marketing performance, analyzing user acquisition, advertisement drop-off rates, and e-commerce funnels for marketing campaigns valued up to \$2 billion.
- Scraped and acquired user data for machine learning, enhancing customer personalization and retargeting strategies.

Codomo Pte Ltd

Singapore

Marketing and Sales Intern

May 2022 to Aug 2022

- Organized fulfillment operations for computer science board games, shipping over 1,000 orders to Kickstarter backers worldwide using SFC, Deliverr, and EasyParcel.
- Copywriting content for company blogs and designing social media ads, increasing Edu-Tech product sales and engagement using Meta Ads Manager and Google Analytics by at least 20%.
- Developed and curated 8 educational slide decks teaching basic Python programming, licensed to Science Centre Singapore and implemented in secondary schools.

ACADEMIC PROJECTS

Enhancing Intelligent Cleaning Robots

Jun 2024 – Present

University Capstone

- Led a team of 7 to collaborate with Changi Airport Group, resulting in the design and development of a spot cleaning robot for deployment in the Terminal 2 departure hall, aimed at improving operational efficiency in high-traffic areas.
- Designed and implemented an adaptive coverage planner algorithm in C++ with a ROS wrapper, optimizing robot cleaning efficiency and minimizing operational foot-traffic disruption.
- Developed an intuitive user interface for robot operators using ReactJS, integrated with ROSBridge and ExpressJS, enabling seamless backend connectivity to an SQLite database.
- Utilized ROS Noetic and Gazebo to create a digital clone of the robot cleaning environment for computer vision detection.

Open Malaysian Rail Information

Jul 2024 - Present

Personal Project

- Managed a public data repository and API using Python (BeautifulSoup4) and FastAPI to collect and share real-time train operational data from Malaysian railway providers.
- Built a dynamic website to track train uptime, updating automatically using FastAPI and ExpressJS.
- Leveraged NoSQL database connections to efficiently store rail data, providing streamlined access via APIs for developers and researchers globally.

Border Checkpoint Game

May 2023 – Aug 2023

University Assignment

- Led a team of 4 in designing and developing a border checkpoint simulation game that gamifies queueing system management while teaching queueing theory concepts to optimize performance metrics.
- Implemented front-end development using JavaScript, CSS, and HTML within RShiny, and Excel VBA to automate game engine while integrating MySQL for database management, supporting personal and global leaderboard systems.
- Developed a functional prototype within 3 months, along with comprehensive system definition documentation outlining the entire process flow from user interaction to database management and interface design.

CO-CURRICULAR

St. Johns Ambulans Malaysia

Jul 2015 – Oct 2021

Division Chairperson

- Awarded the Grand Prior Award by the Lord Prior, HRH Duke of Gloucester for successfully completing the St. John Cadet Scheme.
- Led weekly division meetings and organized 5 community service projects, earning the Service Shield and Service Star for completing over 100 hours of service to the community.

ADDITIONAL INFORMATION

- Proficient in Pandas (Python), R, Tableau, Steamlit, SQLite, ChartJS (JavaScript)
- Analytical, Problem Solver, Project Manager, Detail Oriented, Adaptability, and Collaborative.
- Fluent in English, Bahasa Melayu (Speaking and Writing)

27 November 2024

To Whom It May Concern

Eligibility for Employment Pass

1 Tan Jun Onn G3789368X is expected to graduate from Singapore University of Technology and Design and has a Ministry of Education bond obligation to serve in Singapore.

2 This letter serves to inform you that the Singapore government will exercise flexibility in the assessment of the Employment Pass application of Tan Jun Onn. You should also use the Self-Assessment Tool on the Ministry of Manpower's website for an indicative assessment on whether the applicant qualifies for an Employment pass. If your company finds this graduate suitable for a position and makes an Employment Pass application to the Ministry of Manpower (MOM), the necessary work pass arrangements will be facilitated after receiving your submitted application. This is subject to the qualifying notes overleaf (as attached), which includes complying with the Fair Consideration Framework.

3 This letter is supported by the Ministry of Manpower and is valid for 12 months from the date of graduation or date of issue, whichever is later.

4 You may email Daniel Cheong, the Career Coach, at daniel_cheong@sutd.edu.sg for clarification. Thank you.

Yours sincerely,



Angelvin C. Parma
Head, SUTD Career Development Centre

Qualifying notes:

- 1 The applicant named overleaf is eligible to apply for an Employment Pass if he/she:
 - (a) secures full-time employment in a company of good standing in Singapore;
 - (b) is to be engaged in managerial, executive or specialised job;
 - (c) submits an application for Employment Pass together with certified copies of educational certificates;
 - (d) is not on Government agencies' adverse record.

- 2 Professionals such as doctors, lawyers, architects, dentists, pharmacists etc. have to register with the relevant professional regulatory body before they are allowed to practise their profession in Singapore. Those who intend to practise their profession would have to seek registration before the Employment Pass is issued.

- 3 This letter does not exempt employers from the Fair Consideration Framework. This includes the requirement to advertise the job vacancies on the National Jobs Bank before submitting an Employment Pass application. Employers should consider all applicants fairly, regardless of nationality.