

# Jun Onn TAN

[Email](#) | +65 88891755 | [LinkedIn](#) | [Portfolio](#)

## 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 departure hall, aimed at improving operational efficiency in high-traffic areas.
- Trained computer vision script in Python using YoloV8, PyTorch, and Sklearn; leveraging on CVAT for image annotation and ROS for executing floor cleaning operational system pipeline.

### 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, NodeJS, 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)