See Ying TAN | Mobile No.: 8225 9514 | Email: seeying147@gmail.com | Singaporean

EDUCATION

Nanyang Technological University, Singapore   Aug 2019 – Jul 2023
Bachelor of Science in Mathematical Sciences with Honours (Statistics)

ACADEMIC PROJECTS (https://seeying147.github.io/portfolio.github.io/)

Bellabeat Smart Device Usage Analysis   Jun 2023 – Jul 2023
- Built SQL queries to extract, clean and transform tracker datasets from various sources, ensuring data consistency.
- Performed exploratory data analysis and visualization in R, contributing to actionable recommendations for Bellabeat's marketing strategy.

ODE Project   Jan 2021 – April 2021
Nanyang Technological University, Singapore
- Led a team of 5 students to create mathematical models to analyze trends in movie characters' emotions and visualized results using Matplotlib.
- Implemented Particle Swarm Optimization (PSO) in Python to optimize parameters for a differential model, improving model accuracy by 15%.

WORK EXPERIENCE

Advantest (Singapore) Pte Ltd   May 2022 – Dec 2022
Business Analyst (A.I.) Intern
- Pre-processed 1 million logistics data using Python and performed data visualization in ABBYY Timeline to uncover business processes inefficiencies, leading to a $100K revenue-generating opportunity.
- Designed robotic process automation (RPA) solutions in Blue Prism for Oracle tasks automation, delivering 4 RPA projects to production in 8 months.
- Collaborated with stakeholders to understand data requirements in Oracle and enhanced current automation workflows, resulting in 20% reduction in process execution time.

CO-CURRICULAR ACTIVITIES

SPMS Freshmen Orientation Camp
Chief Programmer   Dec 2021 – Aug 2022
- Oversaw camp activity planning, introducing innovative games, leading to over 250 participant attendance.
- Trained a team of 16 programmers in facilitation skills to reduce program delays, ensuring a seamless and engaging camp experience.
- Partnered with logistic team to track purchases and reviewed budget allocations for each activity, reducing overall expenses by 20%.

Welfare Service Club (Bright Owl Project)   Aug 2021 – Dec 2022
Head of Events
- Volunteered as an upper primary tutor to provide tailored Mathematics course materials and one-on-one guidance to student, resulting in a 15% grade improvement.
- Worked with 25 tutors to revamp monthly lesson plans, elevating students' learning experience.
- Planned and executed life skills activities monthly for 20+ students to increase motor skills and build confidence in communication skills.

SKILLS

Languages: Proficient in English and Chinese
Digital Skills: Python, R, SQL, Tableau, Blue Prism, ABBYY Timeline, LaTeX, MS Office
Certificates: Google Data Analytics, Data Camp SQL Fundamentals, Vertical Institute Data Analytics