

EDUCATION

University of California, Los Angeles

Computer Science Major

Los Angeles, CA
Class of 2026

- Sole recipient of Singapore Airlines Scholarship (Open) 2021

Raffles Institution

GCE 'A' Level, Rank Points 88.75/90

Singapore, SG
Jan 2014 – Dec 2019

- Raffles All Around Excellence Award Recipient (Top 1% in holistic achievement out of 1200 students)
- Raffles Diploma Distinction in 2 Domains: Character & Leadership, Health & Sports

WORK EXPERIENCE

Portcast

Software Engineer Intern – Cargo Shipping Predictive Analytics

Singapore, SG
May 2022 – Sep 2022

- Built interactive dashboard that intuitively visualized 52,000,000 rows of data using Plotly Dash and KeplerGL.
- Performed feature engineering on raw satellite data of cargo ships for cargo vessel ETA prediction model.
- Built classification model to classify if vessels are docked using DBscan clustering that achieved 95% accuracy.
- Created data pre-processing workflow using Python, Airflow and Amazon S3.

Singapore Airlines

Product Management Intern – Digital Ground Experience Department

Singapore, SG
Feb 2022 – May 2022

- Managed development of customer service call-back scheduling feature on Singapore airlines website that reduced call waiting times by 30%.
- Coordinated project requirements between engineering team and business units that led to early product launch.
- Analyzed customer pain points in feature and successfully proposed and implemented design changes.
- Designed UAT test cases and led the testing of call-back scheduling feature prior to launch.

Singapore Armed Forces

Platoon Commander

Singapore, SG
Mar 2021 – Nov 2021

- Led platoon of 70 soldiers to perform counter-terrorism operations critical to security of 3 key military installations.
- Achieved 100% of operational targets during tenure by optimizing and simplifying operational processes.
- Automated company administrative systems using PowerBI and VBA that saved 10 man-hours each week.

Air Force Recruitment Centre

Digital Marketing Intern

Singapore, SG
Mar 2020 – Jun 2020

- Developed new digital marketing strategies to promote recruitment of women amidst Covid-19 disruptions.
- Created logistics tracking system that tracked and accounted for over 10000 pieces of merchandise.

LEADERSHIP

Officer Cadet School

Sword of Honor (Top Graduate), Cadet School Sergeant Major

Singapore, SG
Jun 2020 – Mar 2021

- Responsible for training and discipline of more than 300 cadets in officer cadet school.
- Developed and implemented training performance review system utilizing helmet mounted GoPros that improved effectiveness of training by allowing cadets to review their actions and mistakes.

TECHNICAL PROJECTS

- **Attendance Tracking Telegram Bot (2021)** Telegram bot that digitalized attendance tracking system for cadets within Officer Cadet School. (Python, SQL)

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: Python, Pandas, Numpy, Plotly, Matplotlib, Scikit-learn, JavaScript, Node.js, React, Amazon S3, SQL, Git, Jira

Sports: Singapore U19 National Rugby Team, 2018 Asia Rugby U19 Division 1 Champions

Skills: Video Production, Photography (Sony Journey to Greatness Merit Prize 2019), Photoshop

Interests: Travel Hacking, Japanese Ramen, Aviation, Social Media Marketing