

TAN GUAN QUAN

BLK 7 RIVERVALE LINK #07-40 S545125 | +65 85903590 | tguanquan8@gmail.com

EDUCATION

Nanyang Junior College (2018 - 2019)

- H2 Physics, H2 Chemistry, H2 Mathematics, H2 Economics
- A-Levels rank point: 88.75

Xinmin Secondary School (2014 - 2017)

- Triple Science, Additional & Elementary Mathematics, Geography
- O-Levels score: 9 raw, 5 nett

ACADEMIC ACHIEVEMENTS

- Honour Roll in NYJC Mid-Year Examination (2019)
- Edusave Bursary Award (2016, 2017, 2018, 2019)
- Good Progress Award (2018)
- Edusave Scholarship (2014-2015)
- Represented school in 2016 Singapore Statistics Poster Competition Secondary School Category

CERTIFICATIONS

Computer Vision with Deep Learning (Republic Polytechnic)

Completed Date: 2021-02-19

WORK EXPERIENCES

SAF Computer Vision Unit (SCVU) in NS (Apr 2020 - present)

Data Scientist

- Train machine learning models with TensorFlow for object detection
- Generate dashboards using Power BI to identify trending/patterns
- Create application with Django and Neo4j to speed up operation processes by 60%

Defence Science and Technology Agency (Nov 2020-present)

Data Scientist

- Process data & generate dashboards using Qlik Sense to assist National Service Policy Department (NSPD) with NSmen revocation
- Customise a data cleaning algorithm capable of cleaning employment data based on Accounting and Corporate Regulatory Authority (ACRA) data with more than 95% accuracy in 3 weeks

CO-CURRICULAR ACTIVITIES (CCA)

Interact Club (Junior College)

Committee member of student-initiated project - Silver Friends (2018 - 2019)

- Responsible for organising and coordinating regular visits to an elderly care centre
- Often volunteered in Braddell Heights Community Food Rationing, an initiative that delivers daily necessities to less fortunate families
- Facilitator in Interact Camp, which aimed to select potential candidates to lead Silver Friends in future

St John Brigade (Secondary School)

- Volunteered in many external and internal first-aid events

Head of Logistics (2015 – 2016)

- Oversaw & accounted for first-aid kits and supplies in school

Head of Operations (2016 Training Camp)

- Responsible for planning and execution of training activities

First Aid and Home Nursing Competition

- 2016: 2nd place & Best in First Aid award
- 2015: 4th place

PROGRAMMING BACKGROUND

Python
JavaScript
C

DATA VISUALISATION SOFTWARE

Power BI
Neo4j
Qlik Sense

SKILLS

Leadership
Responsible
Creative
Critical Thinking