

# Tay Xun Yang

+65 82184129 | [gratzxy@gmail.com](mailto:gratzxy@gmail.com) | Singapore Citizen | [Linkedin](#) | [Github](#)

## Profile

Inquisitive and meticulous undergraduate in Business Analytics with a strong passion for data and technology.

## EDUCATION

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|---|--|
| <b>National University of Singapore</b><br><i>Bachelor of Science in Business Analytics (Hons), School of Computing</i><br>(Expected)   | <b>Singapore</b><br>Aug 2020 – July 2023 |
| <b>Ngee Ann Polytechnic</b><br><i>Diploma in Information Technology, Business &amp; Data Analytics Specialization</i><br>• Awarded Diploma with Merit for top 10% graduating students | <b>Singapore</b><br>Apr 2015 – May 2018  |

## WORK EXPERIENCE

|   |   |
|---|---|
| <b>PSA Corporation Limited</b><br><i>Data Analyst Intern</i><br>• Forecasting SQL query resource usage with machine learning and NLP using Python<br>• Design and develop a Python-based auto-recovery program to rectify job scheduling failures.<br>• Build an ARIMA Model to forecast KPI  | <b>Singapore</b><br>May 2022 – Oct 2022 |
| <b>Motorist PTE LTD</b><br><i>Business Analyst Intern</i><br>• Build a VAR model to capture the relationship between COE and resale car value.<br>• Develop a web scraping script using BeautifulSoup and Selenium to extract data from used car website<br>• Build an ETL Pipeline with batch processing using Python & Google Cloud | <b>Singapore</b><br>May 2021 – Oct 2021 |
| <b>PSA Corporation Limited</b><br><i>Data Analyst Intern</i><br>• Conduct interviews with stakeholders to gather user requirements for the data quality assurance project.<br>• Develop a Python script to perform data validation on the daily incoming files.<br>• Build and maintain Powerbi dashboard.                            | <b>Singapore</b><br>Mar 2017 – Aug 2017 |

## CERTIFICATES

- **DeepLearning.AI** - [Deep Learning Specialization](#)
- **IMF** - [Monetary Policy Analysis and Forecasting](#)
- **Tertiary Courses Singapore** - [Social Media Analytics Using R](#)

## PROJECTS

|  |                     |
|--|---------------------|
| <b>SGX Securities Pipeline</b><br>• Build a data pipeline to process SGX securities                                    | Apr 2022 – May 2022 |
| <b>Instagram Influencer Analysis</b><br>• Scrape and analyze Instagram influencer posts to see if they were sponsored. | Nov 2021 – Dec 2021 |

## SKILLS

**Languages:** English and Mandarin (Spoken and Written)

**Data Visualization Software:** Tableau, Qlik Sense, D3.js, Google Data Studio, PowerBI

**Tools:** Airflow, Git, Docker, Jira

**Technical Skills:** Time Series Analysis, NLP, Machine Learning, Deep Learning, Data Scraping

## Programming Skills:

- Python (NumPy, Pandas, Scikit-learn, Tensorflow, Matplotlib, BeautifulSoup, Selenium)
- SQL (MySQL, SQL Server, Google Bigquery, MongoDB)
- Others (R, JavaScript, Java, C#)