

WALTER TAN YONG RAY

DATA SCIENTIST

CONTACT

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🌐 <https://justwaltertan.site/>

🌐 www.linkedin.com/in/waltertanray

🐙 <https://github.com/legoland123>

SKILLS


Hard Skills

- Python (Pandas, NumPy, Matplotlib , Tensorflow)
- Android Studio (Java)
- C#
- Excel
- SQL
- SAP
- Visualization Tools (PowerBI, Tableau, TIBCO)

Soft Skills

- Leadership
- Complex Problem Solving
- Critical and Analytical Thinking

LANGUAGES

English 

Chinese 

PROFILE

Hello! My name is Walter and I am currently a year 3 Data Science student who is enrolled in Ngee Ann Poly. I am an aspiring data scientist who is proficient in different programming languages. I am skilled in Python, C# and Java and also am familiar with software such as PowerBI, Tableau, TIBCO, Adobe Photoshop and Adobe Illustrator. In the future, I want to be a Data Scientist who will make an impact on the world.

WORK EXPERIENCE

Field Surveyor at Grab December 2021 - February 2022

- Conduct immersive market research
- Build and develop insightful data on the industry
- On the go note-taking
- Administrative duties

SCHOOL PROJECTS & ASSIGNMENTS

Data Distributed Pipeline Grade : AD (Distinction Top 10%)

Assignment 1 December 15, 2023

- In this assignment, I leveraged the power of PySpark's Pipeline API to streamline the data transformation and modeling process. The pipeline consisted of several stages, including data loading, exploratory data analysis, data cleansing, feature engineering, and machine learning modeling.

Assignment 2 February 4, 2024

- Designed and deployed a data pipelining infrastructure using Alteryx Designer to provide real-time bus arrival information at designated bus stops
- Utilized API calls to retrieve data from LTA DataMall and transformed it into a suitable format for analysis
- Implemented data preparation, API calls, data transformation, and data display using various Alteryx tools

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DATA SCIENTIST

EDUCATION

Ngee Ann Polytechnic 2022 - Present

Diploma in Data Science

- Cumulative GPA : 3.847
- Expected to graduate in 2025

Leadership positions:

- Module Representative
- Class Treasurer

Awards:

- Edusave Academic Achievement Award 2023

Yuan Ching Secondary 2018 - 2021

Cambridge 'O' Level Certificate

- L1R4 (15)

Leadership positions:

- Class Vice Chairman (2021)

Awards:

- Edusave Academic Achievement Award 2021
- Edusave Improvement Award 2021

REFEREES

Mr Weigui Jair Zhou

Senior Manager at Ngee Ann Polytechnic

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+65 9876 4874

Mr Low Wee San

COURSE CHAIR & SR MANAGER at

Ngee Ann Polytechnic

low_wee_san@np.du.sg

COMPETITIONS

Penta Hackathon 2023

Placing: Top 8 Finalist

▪ Penta Hack is an AI-powered hackathon competition organised by the AI Student User Groups from all 5 polytechnics. Represented Team NP against teams from other polytechnics and universities

▪ Led a team of five individuals in tackling the challenge. In this role, I utilized my leadership and teamwork skills to guide our group towards devising AI-powered solutions for helping education. Over the course of the hackathon, my responsibilities included ensuring that we met all project milestones within the designated timeframe, assigning tasks that best suited each team member's skills, ensuring a balanced distribution of work.

More Information

<https://justwaltertan.site/PentaHack.html>

CCA(S) AND COMMUNITY SERVICE

Taman Jurong Community Club

Community PickleBall Team League 2024 (3rd Overall)

Ngee Ann Polytechnic

NP Tennis (School / Advanced Team)

ICT Society

Environmental Ranger Club

Food-Aid

Food Rescue #2 (2023)

- Aid food insecurity and raise awareness on food wastage

SG Clean Day (2023)

- Volunteer for the largest cleaning event held at the Singapore F1 Pit Building.

Yuan Ching Secondary School

Cross Country (School Team)