TUNG D. NGUYEN (HE/HIM)

Burwood, VIC 3125 | (+61) 410 658 937 | td.nguyen3320@gmail.com
Website s4ppyh4t.github.io | **LinkedIn:** linkedin.com/in/tungnguy3n
Tableau Public: public.tableau.com/app/profile/tung.nguyen8686

Projects

Schematic Intel Consultation and Development – Final Project

- A team of four members developed a set of **three deliverables** which involved in **requirement analysis, patenting consultation** and **front-end landing page development,** under the span of only **three working months,** with **~120 hours** of personal contribution**.**
- Implement a **Scrum-like project management method** to develop and deliver said deliverables, while delegating equal workloads to each member, ensuring a **professional** and **all-can-contribute** ideal amongst the team.
- My contribution involves **developing, documenting and delivering** the landing page, client-facing interactions (up to 40-hour-worth of meetings, workshops and constant updates).
- The developed front-page has now been deployed on: https://schematicintel.com/

Real Estate Analytic & Interactive Visualisation

- Perform comprehensive **data cleaning**, **conforming**, and **wrangling** on 10k+-record Victorian Real Estate dataset and generate self-serving analytic dashboard.
- Utilised **KNIME Analytics Platform, Tableau Prep Builder, Tableau Desktop and Tufte's visualization design principles** to the output's development
- Tableau Public link: public.tableau.com/views/tdn_rptA_dump_tblu_s12023/1DensityofListingsinRegions

Data Warehouse Simulation Team Project

- High Distinction (final grade of 92%) collaborative development project of a **Data Warehouse simulation** hosted via **Oracle Database platform.**
- Utilised **Oracle SQL Developer** to generate **ETL simulation** scripts and communicate with remote training database.

Education

Ba. of Information and Communication Technology – Business Systems   01/2021 – 12/2023

Swinburne University of Technology - Hawthorn, Melbourne, Victoria

- Received **International Excellence Scholarship -Undergraduate** (75% of total tuition fee)
- Top achieving in *Database Analysis and Design* **(99/100),** *Problem Solving with ICT* and *Mobile Business and Social Media*. Receiving **90+/100** results in *Database Systems*, high **80s/100** in *Data Visualisation, Fundamentals of Data Management and BI & Data Visualisation* modules.
- Member of Swinburne's Volunteer Community & Secretary of Indoors Recreational Sports Club.
- Graduated with a final GPA of 3.625.

VCE Year 11 & 12   01/2019 – 12/2020

Strathmore Secondary College - Strathmore, Melbourne, Victoria

- Achieving 97.50 ATAR
- **Top #1** achieving student in VCE **Mathematical Methods** and VCE **Data Analytics** (formerly Informatics) of Strathmore SC's 2020 cohort.

Employment history

Strategy Intern 11/2023 - 2/2024

Commonwealth Science and Industrial Research Organisation (CSIRO) – Clayton, Victoria

- Engaged in constant "get-to-know" sessions with strategy analysts and document requirements based on the project's owner descriptions under the span of **one month** from employment start.
- Implement model fine-tuning by utilising HuggingFace's Transformers API on **7000+ records**, performed text-classification inference-making and data analysis.
- Engaged in brief **literature review** and conducted **technical pilot experiment** to explore the capabilities of Artificial Intelligence-enabled tools in Corporate Strategy activities within the organisation's internal operations. Presented findings in front of Strategy executive and directors.

Casual Mathematics Tutor/Mentor 11/2022 - *Current*

Art of Smart Education – Melbourne, Victoria

- Adapt and deploy flexible structure lessons/deliverables to customers based on their constantly changing needs, as well as the F–10 and VCE curriculum guidelines.
- Employed patient, calm demeanour to guarantee satisfying outcomes for challenging students while provided an open approach to ensure their natural academic growth.

IELTS Certificate Teaching Assistant/Librarian 06/2018 - 11/2018

The IELTS Workshop – Hanoi, Viet Nam

My responsibilities as a commissioned Teaching Assistant are to:

- Actively assisted 5-10 students (concurrently) aged 16-26 in IELTS skill-check practices.
- Provide supervision and additional support at the centre's library to ensure efficient operation while closely attending to customers' needs.

My employment ended in November 2018 as I was preparing to pursue my education as an International VCE Student in Melbourne, Australia.

Skills & Achievements

- **Third-place winner** in SAS Viya for Learners analytic challenge 2023.
- Experience with knowledge-sharing and project management toolsets such as **Jira, SharePoint, Outlook** and the **Microsoft Office Suite.**
- Experience in **Scrum-like** projects.
- Novice-Intermediate non-academic knowledge in **Python** (specifically in data-driven libraries such as **pandas**, **matplotlib** for visualization, and data collection from public REST APIs)
- Academic-level experience with **MySQL, PostgreSQL, and Oracle database management** & **Proficient** in basic **SQL and PL/SQL** scripting.
- Academic-level training in **Data Warehousing, ETL** and **data wrangling** processes at small scale (using **Tableau Prep Builder, KNIME** Analytics Platform.)
- Basic knowledge in **regression and classification learning models** and training (**KNIME** graphical pipeline.)
- Academic-level training in utilising **Tableau Desktop** and **D3.js** library for **data visualisations and analysis.**
- Web/Webapp-development with **HTML5, CSS3, JavaScript** (**Vanilla, HTMX, ReactJS**) and basic knowledge of Python's **Django** Framework, **Flask** library.