**Nguyen Tran**

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Education

University of North TexasGraduated 12/2023

* B.S. Mathematics, Actuarial Science Minor
* Overall GPA: 3.27/4.00

Skills & Certifications

* **Microsoft Certified Power BI Data Analyst**
* Programming Languages: **SQL**, **Python** (pandas, numpy, sk-learn, pyspark), C#, R
* Cloud Platforms: **Azure** (Data Factory, Azure Functions, Databricks, SQL Database, Data Lake Storage), GCP
* Other tools: **DBT**, **Power BI**, **Git**, **Docker**, Mage (ETL tool)

Work Experience

**Data Developer –** Envoy Air 3/2024 - Present

* Develop and maintain **ETL pipelines** with SQL, Azure, Python and C# to extract and transform data from various sources (databases, APIs, spreadsheets, cloud storage, IoT devices, etc.).
* Optimize existing pipelines and Azure Function code, **reducing pipeline runtime and Function App plan costs**.
* **Facilitate migration from Tableau to Power BI** to ensure better data and report security. Create Power BI reports with critical flight metrics to display on office TVs.
* Introduce software engineering best practices (eg. CICD, version control) to data analysts.
* Create and maintain CICD processes for Power Apps and Data Factory development & delivery.

Independent Projects

[**Rental Property Investment Guide**](https://ntran0429.github.io/portfolio/rental_markets/) 7/2024 - Present

*Recommending which states/areas are best for rental property investing to a foreign investor.*

* Gathered investor’s requirements to generate questions for sourcing the relevant data.
* Used public APIs (Census, Data Commons, , Youtube, etc.) for resident demographics and market sentiment data.
* Scraping Realtor.com and Zillow housing data with Python for property listing data.
* Saving investor **10 research hours per week** so she can focus on working with real estate agent and preparing legal paperwork.
* Final deliverable is a Power BI dashboard with multiple report pages drilling down from state to the metropolitan area level, with practical metrics (appreciation, cashflow, price/rent ratio, etc.) for decision making.

**Reading Cohort Lead**  8/2023 – 12/2023

* Led a reading cohort on the weekends to go through a data viz book “Storytelling with Data”. Shared before-and-after visuals to discuss improvements and practical application to Power BI dashboard/reports.

Other Interests

**UNT Powerlifting Club** (former Treasurer)8/2022 – Present

* Used Excel to oversee the club’s financial activities. Allocated the budget to organize social events, buy equipment, and accommodate for those who could not afford to go to their powerlifting meet.
* Attend team training sessions to coach new members for their first powerlifting meet.