**Nguyen Tran**

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Education

University of North TexasGraduated 12/2023

* B.S. Mathematics, Actuarial Science Minor

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, 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 (e.g. CICD, version control) to data analysts.
* Create and maintain CICD processes for Power Apps and Data Factory development & delivery.

**Uber Driver**  5/2020 – 12/2023

* Learned how to communicate and ask relevant questions, giving rider a pleasant conversation.
* Maintained a rating of over 4.8 consistently over 3 years of driving.

Independent Projects

[**Rental Property Investment Guide**](https://github.com/ntran0429/REP?tab=readme-ov-file#real-estate-investment-guide-for-foreign-investors) 7/2024 - Present

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

* Gather investor’s requirements to generate questions for sourcing the relevant data.
* Ingest data regularly from public APIs (Census, Data Commons) and publicly hosted csv files to analyze migration trends, housing conditions, and define relevant market metrics.
* Model data as facts and dimensions with DBT for better filtering/slicing for analysis.
* Save investor **10 research hours per week** so she can focus on working with real estate agents and preparing legal paperwork.
* The final deliverable is a Power BI dashboard with two 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 Info

* Proficient in English and Vietnamese.
* Self-starter, learning about new technologies and data engineering concepts outside of work.