

# Ngan Huynh

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## EXPERIENCE

New Jersey City University – NASA-Funded AI Research Project

Jersey City, NJ

AI Research Assistant

Sep 2025 - Present

- **Built data pipelines** to preprocess and analyze low-quality space imagery for machine learning workflows.
- **Prepared, cleaned, and validated specialized image datasets**, extracting structural features using AI-based edge detection models in **Python (PyTorch)**.
- **Collaborated with research teams** to document findings and communicate technical results for reporting purposes.

Gyldan Infotech Company Limited

Ho Chi Minh, Vietnam

Data Analyst

Jan 2021 - Mar 2023

Data Analyst Intern

Mar 2020 - Dec 2020

- Analyzed **CRM sales data** for a U.S.-based SaaS company using **SQL and Excel** to identify high-value prospects and key performance trends, increasing total contract value by **\$124K** within 6 months.
- Ensured **data accuracy and integrity** by validating source data, resolving missing and inconsistent records, and maintaining clear documentation, achieving **99% data accuracy**.
- Designed and maintained interactive **Tableau dashboards**, reducing manual reporting time by **40%** and improving stakeholder visibility into key KPIs.
- Collaborated with **cross-functional teams** to understand business requirements and support reporting and analysis needs.

## PROJECTS

FairPrice Grocery Analytics | [Link](#)

Jun 2025

- Built an interactive **Tableau dashboard** (7 KPIs) to monitor product performance and sales trends.
- Analyzed 8,500+ records using **SQL and Python** to identify purchasing patterns and seasonality.
- Defined KPI definitions to support **strategic planning** and **resource allocation** and **retention strategies**.

Data Warehouse and Analytics | [Link](#)

Mar 2025

- Designed and implemented a **data warehouse architecture** using PostgreSQL, following the **Medallion (Bronze, Silver, Gold) model** to optimize data reliability and reporting.
- Built ETL pipelines to extract, clean, standardize, and validate data from ERP and CRM systems.
- Developed complex **SQL Stored Procedures** and data models to transform raw ERP data into structured formats for reporting.
- Implemented **40+ data quality checks** to ensure **accuracy, consistency, and compliance** of analytical datasets.

## SKILLS

Programming & Databases:

SQL (PostgreSQL, MySQL), Python (Pandas, NumPy), AWS S3

BI & Visualization:

Tableau, Advanced Excel (Pivot Tables, Lookups), Reporting.

Tools:

Git/Github, MS Office Suite, Jupyter, VS Code, GenAI

## EDUCATION

New Jersey City University, Jersey City, New Jersey

Sep 2024 - Expected May 2026

Bachelor of Science in Computer Science - GPA: 3.9

Broward College, Ho Chi Minh City, Vietnam

2020 - 2022

Associate of Science in Software Development - GPA: 3.5