# Trinh Quang Hien

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I am a third-year Data Science student with experience as a coding instructor and developer intern, seeking opportunities to leverage Python (Pandas, Scikit-learn), SQL, and big data analytics to transform raw data into actionable insights that support strategic business decisions.

## PROJECTS

**TopCV Job Market ETL Pipeline | Python, Requests/BeautifulSoup, PostgreSQL, Airflow, Docker** ⧉
- Built a daily scraper that collects ~50 new TopCV job postings for data/analytics roles.
- Cleaned and standardized salary ranges and location fields before loading to the database.
- Implemented an Airflow ETL that deduplicates postings and inserts only new records into PostgreSQL for further analysis.

**Real Estate Price Prediction | Python, ML (Scikit-learn)** ⧉
- Cleaned and explored 414 housing records with 7 key features (age, distance to MRT, stores, latitude/longitude, price).
- Built and trained univariate and multivariate regression models in Scikit-learn, reducing RMSE from 11.45 to 8.89.
- Evaluated and visualized model performance using MAE/MSE/RMSE and predicted vs. actual prices.

**Customer Shopping Behavior Analysis | Python, SQL Server, Power BI** ⧉
- Performed data cleaning and preparation on 504 shopping-mall transactions (demographics, categories, spending, dates) using Python and Pandas.
- Designed and executed SQL Server queries to analyze revenue by customer profile, product category, payment method, and mall.
- Developed an interactive Power BI dashboard with filters (age group, category, mall, payment method, gender) to visualize customer shopping patterns.

## WORK EXPERIENCE

**Software Developer Intern**                                          **Oct 2025 - Nov 2025**
**ACT4 Trading and Service**
- Developed web forms with full CRUD functionality for internal modules, improving data validation and storage efficiency by 30%.
- Built approval workflows based on business rules from senior members and users, enhancing daily internal process efficiency by 25%.
- Collaborated with teammates and testers to clarify requirements, resolve bugs, and prepare features for deployment, reducing deployment time by 20%.

**Python Teaching Assistant**                                          **Jul 2025 - Sep 2025**
**TEKY HOLDINGS**
- Instructed small groups of 3 to 4 students (ages 7 to 12) to build simple games using the Codekitten platform and basic Python, receiving 90% positive feedback from parents.
- Guided 8+ students to debug, run, and complete at least one game project each, helping them work more independently.
- Presented core coding concepts (sequences, conditions, loops) through step-by-step game tutorials for two small groups (6–8 students), helping over 90% of them understand and apply these concepts in practice.

## EDUCATION

**Engineering Degree in Data Science**                                 **Jan 2023 - Jan 2028**
Industrial University of Ho Chi Minh City (IUH)                         **GPA:** 3.5/4.00
- Awarded 100% and 70% tuition scholarships for GPAs

## CERTIFICATIONS

**TOEIC 775**                                                          **Jul 2025**
**Microsoft Office Specialist Word & Excel**                           **Jan 2023**

## SKILLS

**Programming & Statistical Modeling:** Python (Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn), SQL

**Databases:** MS SQL Server, PostgreSQL

**Data Visualization:** Power BI, Excel (PivotTables, Power Query, advanced formulas)

**Data Engineering:** Apache Airflow, Docker, Web Scraping (Requests, BeautifulSoup, Selenium)

**Soft Skills:** Analytical Thinking, Logical Reasoning, Problem-Solving

## LANGUAGES

**English** (Professional working proficiency)