

# Carson Truong

## Data Analyst

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### Skills

**Database:** MS SQL, MySQL, Postgres

**Languages:** Python

**Visualizations:** Tableau & Power BI

**Cloud Technologies:** Amazon AWS, Microsoft Azure

**Tools:** Jupyter notebook, Google Collab, Pycharm, Github, DBeaver

**Libraries:** Pandas, Numpy, Matplotlib, BeautifulSoup, Tkinter, Scikit-learn

### Work Experience

**Gainwell Technologies (2025 Summer Internship)** – Data Analyst

- Developed and tested SQL Server test case queries to validate data conversion mappings for medical and pharmacy claims datasets, spanning from simple default value assignments to complex conditional transformations.
- Developed and implemented SQL Server automation scripts to generate test cases for data default conversions, optimizing validation processes on a table-by-table basis.
- Implemented data mapping logic with data transformation for medical and pharmacy claims datasets.

### Projects

#### Tic-Tac-Toe Game

- Designed and built a networked Tic-Tac-Toe game in Python using Sockets for real-time multiplayer for efficient client-server communication.
- Developed a dynamic GUI with Tkinter for smooth user interaction and enriched user experience.
- Tracked win/loss/tie stats and added replay functionality after each round.

#### Java Voting App

- Developed an interactive voting app in Java using AWT and Swing, allowing Admin to create ballots with candidates and propositions.
- Designed dynamic interfaces with structured layouts and standard Java UI components.
- Enabled real-time vote casting and result updates using event-driven functionality.

#### Data Collection via YouTube API

- Quantified various metrics for a YouTube channel, such as view count, like count, and video titles, utilizing a Python-based YouTube API.
- Assembled and organized the collected data into MySQL using Amazon AWS.
- Visualized video statistics and identified top-performing videos based on geographical location through Tableau Dashboards.

#### Amazon Scrapping

- Scraped product details (name, description, price) from Amazon using Python and BeautifulSoup.
- Automated price tracking with email alerts for drops using Python.

### Education

University of California, Irvine

Informatics