

## Elliot Tan

Chicago, IL

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My Github: <https://github.com/ElliotTanScripting>

Personal website: <https://elliottanscripting.github.io/>

### Summary of Experience and Qualifications

Elliot is a Data Scientist and Software Engineer with a strong background in python and sql.

His work consisted of leveraging AWS cloud tools, Snowflake, and Apache Airflow to build a cloud process/pipelines for Elevance health predictive models that aid in measuring a patient's risk of readmission to reduce readmission costs. He is currently working on Data quality and dashboarding to provide data sanitization tools for his client in Snowflake, Power BI.

He is big on independent growth and self-education. He has and is working on personal projects with Open AI SDK, Langgraph, CrewAI, and VertexAI, Google ADK in GCP through various google skill paths, and the application of various ML concepts. He is also familiar with AI concepts such as RAG and Agentic workflows. His latest endeavor is learning Pytorch!

### Development Tools / Languages:

**SQL** (Project Experience), **Python** (Project Experience), **R** (Project Experience), **Snowflake**, AWS, Kubeflow, OpenAI SDK, Langgraph, CrewAI, MCP, VertexAI

### Previous Experience

**Industry:** Healthcare **Sector:** Technology

Competency Area:

Data Analyst, Software Developer; Dec 2023 – Jun 2025

Role: Developed queries for data quality analysis and dashboarding for medical code mapping.

- Developed complex queries and views for the data quality team
- Resolved data quality issues within HEDIS data from various medical data sources through querying and medical record analysis.
- Developed HEDIS database, process, and dashboard to provide insights on HEDIS data quality patterns.
- Created a dashboard to quantify medical code mapping efficiency from various sources to compare code translations and quality of medical data related to medical codes and measure mapping tools used by the client.

**Industry:** Healthcare **Sector:** Technology

Analyst, Software Developer, Cloud Migration Developer; Jan 2023 – Nov 2023

Role: Designed processes and built pipelines to migrate on premise models and databases to the cloud environment integrated with AWS, Snowflake, and FEAST (feature store).

- Migrated and tested over 80 models to the cloud environment.
- Designed python and shell pipelines to ensure model and feature accuracy that improved efficiency of the migration process.

- Reconfigured existing model files to run on new cloud environments by translating hivesql to snowflake sql and python.
- Created directed acyclic graphs (DAGs) for automation of model processes in Airflow.
- Analyzed client on premise data input processes to optimize Cloud data intake process

**Industry:** Automotive    **Sector:** Insurance

Project Manager, Python ML developer ; Jan 2022 – May 2022

Certified Collateral Corporation Intelligent Solutions (CCCIS)

Role: Partnered with CCCIS to develop a Python script & presentation featuring predictive analysis on market trends in the automotive industry

- Managed relationship & communications between team & CCCIS representative by tracking deliverable timelines & developing weekly progress reports
- Utilized Python to extract, clean, and wrangle research data to train predictive models & communicate findings in PowerPoint for client.
- Leveraged multiple data models and ML concepts to determine & remove outliers in data which increased model accuracies.

## Personal Projects

- [Me AI](#) – A simple chatbot made using OpenAI SDK that you can use to learn more about me!
- [Travel Agent](#) – An assistant built in Langgraph to help you plan your dream holiday itinerary! (WIP)
- [NBA predictions](#) – predict NBA win/loss for a given game using historical data from both teams. (WIP)

## Certifications

**AWS Certified AI Practitioner** – valid to May 12 2028

**AWS Certified Machine Learning Engineer, Associate** – valid to May 12 2028

## Office Tools:

Microsoft Excel (Project Experience), Microsoft PowerPoint (Project Experience), Microsoft Word (Project Experience)

## Education

**Master of Data Science** (Illinois Institute of Technology)

**Bachelor of Computer Science** (Illinois Institute of Technology)

## References

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