

## Elliot Tan

Chicago, IL

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<https://github.com/ElliotTanScripting>

### Summary of Experience and Qualifications

Elliot is a consultant and Software Engineer within Deloitte's Healthcare and AI industry with experience in both internal and client facing roles within his first year. His work has consisted of leveraging AWS cloud tools, Snowflake, and Apache Airflow to build a cloud process 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, and m360. He has 2 AWS certifications (ML associate and AI practitioner) and currently leads the Chicago Music Club.

### Certifications

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

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

### Previous Experience

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

Competency Area:

Analyst, Software Developer; Dec 2023 – Jun 2025

Deloitte Consulting

Role: Develop dashboard and processes for HEDIS issue resolution and tracking, and developed dashboarding for medical code mapping.

- 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.

**Technical Environment:** Snowflake (SQL), PowerBI, JIRA, m360

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

Competency Area:

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

Deloitte Consulting

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 from 1-3 models to 6-8 models a week.
- Reconfigured existing model files to run on new cloud environments.

- Clearly communicated database and model binary issues with clients to resolve blockers.
- 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

**Technical Environment:** Python, AWS S3, AWS EMR & EC2, Snowflake (SQL), Kubeflow, Apache Airflow, Microsoft Office Suite (Excel, PowerPoint, and Word)

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

Competency Area:

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 to determine & remove outliers in data which increased model accuracies from below 50% to over 98%.

**Technical Environment:** Python, Google Colab, Microsoft Office Suite (Excel, PowerPoint, and Word)

### **Software / Products:**

**Development Tools / Languages:** SQL (Project Experience), Python (Project Experience), R (Project Experience), Snowflake, AWS (EMR), AWS (S3), Kubeflow

### **General Tools:**

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

### **Education**

**Master of Data Science**

**Bachelor of Computer Science**

Illinois Institute of Technology

### **Foreign Language Skills**

- Mandarin (Intermediate)

### **Internal References**

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