

# MICHAEL LIU

(425) 445-2555 | [haitieliu1993@gmail.com](mailto:haitieliu1993@gmail.com) | [Website](#) | [LinkedIn](#) | [GitHub](#)

## DATA SCIENTIST

Passionate data scientist specializing in machine learning and big data analytics, seeking to leverage a robust analytical background and business acumen to drive data-driven decision-making in the tech industry.

## EDUCATION

**Southern Methodist University | Dec 2024**

Master of Science in Data Science

**University of Washington | Aug 2018**

Bachelor's degree in business administration

## CERTIFICATION

[Harvard's CS50 Artificial Intelligence Certificate](#) | [Tableau Desktop Specialist](#)

## AWARD

[Best Capstone Presentation - SMU](#)

## CORE COMPETENCIES

|                       |                     |              |                          |
|-----------------------|---------------------|--------------|--------------------------|
| Programming Languages | Data Analysis & Viz | ML & AI      | Soft Skills              |
| Python                | Excel               | TensorFlow   | Communication            |
| R                     | Tableau             | Scikit-Learn | Teamwork & Collaboration |
| SQL                   | PowerBI             | PyTorch      | Interpersonal Skills     |

## PUBLICATION

**Multi-Agent Translation Team (MATT): Enhancing Low-Resource Language Translation through Multi-Agent Workflow**

SMU Data Science Review

Nov 2024

- Authored a study on enhancing low-resource language translation using a multi-agent workflow.
- Developed iterative agent collaboration combining LLMs and Google Translate to improve translation quality for languages like Vietnamese, Hindi, and Malayalam.
- Submitted to SMU Data Science Review for publication.

## WORK EXPERIENCE

### Data Scientist

Pinegrove Capital Partners, Melo Park, CA

Nov 2024 – Present

- Developed and deployed machine learning models and analytics solutions to drive insights and enhance venture investing efficiency.
- Designed and maintained Tableau and Power BI dashboards to support data-driven decision-making across business units.
- Procured, analyzed, and ensured the quality of value-accretive data using SQL, Python, and other tools.
- Collaborated with stakeholders to deliver actionable insights and concise presentations in a fast-paced, hybrid work environment.

### AI Intern

Silicon Valley Bank Capital, San Francisco, CA

July 2024 – Oct 2024

- Developed an AI chatbot for investment processes, streamlining workflows across Equity, Credit, Investor Relations, and Search & Analytics.
- Designed a text-to-SQL pipeline and Microsoft email inbox pipeline to simplify analytical operations and enable faster decision-making.
- Delivered comprehensive demos, showcasing advanced generative AI solutions and addressing operational challenges.

### Graduate Study Researcher & Teaching Assistant

Southern Methodist University, Dallas, TX

April 2023 – Dec 2023

- Conduct weekly office hours for a class of 20 students and assist students in mastering statistical and machine learning concepts through hands-on workshops.
- Design, craft, and grade exams and quizzes, ensuring the curriculum remains current and effectively assesses student comprehension.

### Sales Associate

Volvo USA, Houston, TX

March 2020 – Feb 2023

- Managed client relationships, contributing to a yearly revenue of over half a million dollars.
- Conducted product presentations, showcasing of product features, and effectively communicating their value to clients.
- Collaborated with a diverse cross-functional team to meet sales targets and enhance customer satisfaction.

## COMMUNITY SERVICE

**Volunteer Video Technician**, faith Lutheran church Bellaire (Houston, TX)

March 2020 - March 2023

- Oversaw Weekly live streaming and video production, employing technical skills to enhance service quality and community engagement.
- Collaborated with church staff to coordinate event coverage and content distribution, demonstrating strong teamwork and communication skills.