

Henry Zhang

hsz2011@nyu.edu || +1 7039458315 || [LinkedIn](#) || [Github](#)

Education

New York University Shanghai: May 2025

Major: BS Computer Science, Minor: Business (GPA: 3.55)

Relevant Courses: Design & Analysis of Algorithms, Databases, Data Structures, Linear Algebra, Statistics for Business and Economics

Experience

Microsoft AI Co-Innovation Labs Intern

June 2023-August 2023

- Developed application using Azure OpenAI and LangChain to **facilitate employee-database communication**
- Utilized embeddings, prompt engineering, and Langchain Agents to convert relational data into easy to read summarizations for product managers to generate reports on tabular data
- Presented the [POC](#) to employees in streamlit, and was **approved and integrated into the company portal**

Jika.io Intern Technical Project Manager

March 2023 - June 2023

- Implemented a relational schema and wrote SQL to **extract, transform, and load user analytics**
- **Managed a team** of 6 and designed and **implemented data pipeline from MongoDB into BigQuery** to eventually be displayed in Looker Studio
 - Was the **point of contact** between Jika.io and my team, wrote comprehensive meeting notes, and determined and divided up tasks and responsibilities among members
- Worked closely with the technical lead at Jika.io to **determine best methods of integration** for their data infrastructure by considering price, implementation and integration, and performance

TAMID Director of Technology

February 2023 - June 2023

- In charge of the inaugural tech track at NYU Shanghai
- **Managed, educated, and mentored** new applicants on soft and hard skills needed in tech to prepare them for project teams in later semesters
- **Completed a [web scraper](#)** to submit to TAMID Global for approval for creation of the new Chapter

Tech@NYU Tech Trek Tutor

September 2023 - December 2023

- Selected as 1 of 4 tutors out of many applicants across both the Undergraduate and Graduate programs for **ability to articulate concepts** about technical projects in an understandable manner
- Weekly meetings with mentees to guide them in their projects using agile development, using my previous experience with web development, AI, and other necessary tools

Projects

[Airline Database Simulator](#)

Spring 2023

- Wrote a web application with Django and MySQL to hone skills with SQL, HTML, and Database Management.

[Digital Assistant Widget](#)

Summer 2023

- Widget that utilized LLMs to chat with personal data to save time searching tabular data when writing reports
 - Coded using React JS that called a REST API in Flask for easy integration into the existing code base

Ebay Machine Learning Competition

Fall 2023

- Extract named entities from a large dataset of German ebay listings with 81 percent accuracy using SpaCy Library

Skills and Interests

Programing Languages: Python, SQL, Java, HTML, Javascript, Typescript, CSS

Libraries and tools: OpenAI, pandas, numpy, Langchain, Flask, Django, React.js, Git, Docker, Bigquery, spaCy

Languages: English, Chinese (Fluent)

Other Passions: Piano, Lacrosse, Boulderling