

Angela Zhang

📍 New York, NY · +1 347-525-5280 · zhang.angela@nyu.edu · [LinkedIn](#) · [Github](#) · [Personal Website](#)

SUMMARY

In the rapidly evolving AI-driven technological landscape, I have honed real-world skills through my undergraduate studies and professional experiences, adapting effectively to industry shifts. Enthusiastic about the future of technology, I believe my computer science background not just as a major, but as a versatile tool for exploring interdisciplinary opportunities.

EDUCATION

New York University

Sept 2021 - May 2025

BA in Computer Science, Minor in Psychology

PROFESSIONAL EXPERIENCE

Nanyang Software Technology Co.,Ltd.

June 2024 - Aug 2024

AI Software Engineer Intern

- Designed and integrated the **Azure OpenAI REST API** into a smart Customer Manager banking system, leveraging AI to revolutionize client analysis and operational efficiency.
- Implemented **Retrieval-augmented Generation (RAG)** technology to automate customer queries, improving the bank's capabilities to identify opportunities for cross-selling and up-selling.
- Analyzed customer service challenges and developed AI solutions that aligned with business objectives, reducing resolution times by **35%** and improving response accuracy by **50%**.

Pionex

May 2023 - July 2023

Software Engineer Intern

- Ran internal tests using **real-time data processing (Kinesis AWS)** and **Machine Learning algorithms (Neural Networks)** to boost crypto trading accuracy, **reducing 2 types** of transaction errors- overfitting and parameter calculation errors.
- Enhanced trading interfaces by refining web pages written in **React.js, HTML**, and **CSS**, significantly improving user engagement and trading experience.

New York University C2SMART Research Center

June 2022 - Dec 2022

Research Assistant

- Designed and developed a user-friendly graphical interface for work zone image annotation utilizing **Python's Tkinter framework**.
 - Annotated over **1000 work zone images** from CCTV cameras and trained the labels with machine learning libraries like **PyTorch, TensorFlow**, and **Sklearn**, achieving an accuracy of over **90%**.
 - Engineered an interactive mapping application showcasing New York City work zones through the implementation of **Plotly Dash**.
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KEY COMPETENCIES

Programming Languages: Java, Python, C, HTML, CSS, JavaScript, TypeScript, SQL, Golang

Technical Skills: Figma, Git, Full Stack Web Development, Flask, React.js, Next.js, Node.js, Express.js, Pandas, Matplotlib, MongoDB, Linux, Computer Vision, REST APIs, API Design, Web Protocols, HTTP Requests, Machine Learning, Artificial Intelligence, LangChain, AWS, Microsoft Azure, Google Cloud Platform, Postgres

Courses: Data Structures, Computer Architecture, Algorithms, Operating System, Discrete Mathematics, Linear Algebra, Data Science, Web Design, Computer Security, Information Technology in Business, Web Application

PROJECTS

LevelingUp

April 2024 - July 2024

Creator/Developer

- Developed a fitness journal platform that allows users to record their workout routines and goals.
- Innovated the platform by **integrating AI Gymbot**, a virtual assistant that **retrieves user-specific data to offer personalized workout tips and advice**.