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
- Bachelor of Arts, Computer Science
- Coursework: Data Structures, Computer Architecture, Algorithms, Operating System, Discrete Mathematics, Linear Algebra, Data Science, Web Design, Computer Security, Information Technology in Business, Web Development, Machine Learning, Object Oriented Programming

KEY COMPETENCIES

- ***Programming Languages:*** Java, Python, C, HTML, CSS, JavaScript, TypeScript, SQL, Golang, Kotlin
- ***Technical Skills:*** Backend Frameworks (ASP.NET, Django, Node.js, Next.js, Express.js, Flask), Frontend Frameworks (React.js, Angular, Vue.js, jQuery), Databases (MongoDB, DynamoDB, PostgreSQL, MySQL), Cloud (AWS, GCP, Microsoft Azure), DevOps (Kubernetes, Docker, Git), Web Services (REST APIs, API Design, Web Protocols, HTTP Requests), Analytics (Pandas, Tableau, R, Google Analytics, MATLAB, ML Tools)

PROFESSIONAL EXPERIENCE

Nanyang Software Technology Co.,Ltd.   Shanghai, China
AI Software Engineer Intern   June 2024 - Aug 2024
- Consulted with Agree Technology Co.,Ltd to create a B2B smart Customer Manager banking system using **Azure OpenAI REST API**, **leveraging AI** to revolutionize the analysis of **400** companies over **20** industries.
- 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 **52%**.

Pionex   Princeton, NJ
Software Engineer Intern   May 2023 - July 2023
- Ran internal tests using **real-time data processing (Kinesis AWS)** and **Machine Learning algorithms (Neural Networks)** to boost crypto trading accuracy, **reducing two types** of transaction errors- overfitting and parameter calculation errors.
- Enhanced trading interfaces by refining web pages written in front-end languages like **React.js**, **HTML**, and **CSS**, significantly improving user engagement and trading experience (**4.2 stars** to **4.6 stars** review).

New York University C2SMART Research Center   New York, NY
Research Assistant   June 2022 - Dec 2022
- Communicated with **cross-functional teams** to create an interface for work zone image annotation written in **Python's Tkinter framework**, enhancing usability for the New York City Department of Transportation.
- 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**.

PROJECTS

LevelingUp
Creator/Developer   April 2024 - July 2024
- Developed a fitness journal platform written in **Python**, **CSS**, and various JavaScript frameworks like **Express.js, Handlebars.js**, and **Passport.js**.
- Innovated the platform by using **Flask** to integrate an **AI Gymbot**, a virtual assistant that retrieves user-specific data from **MongoDB Atlas** to offer personalized workout tips and advice.