LIN CHEN

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Experience

FEB '22 - PRESENT

Software Engineer | TradeView Markets, LLC, New York

- Designed and implemented microservices architecture and automation on AWS to support business operations, streamline payment transactions, and optimize client onboarding processes.
- Designed report system platform with fully automated data pipeline.
- Designed and implemented frontend and backend infrastructure, integrating CI/CD pipelines to streamline project workflows and enhance deployment efficiency.
- Conducted comprehensive code reviews, providing valuable feedback and proactive suggestions to enhance code quality, maintainability, and performance.
- Research and implement algorithmic trading strategies.

AUG '21 - JAN '22

Junior Software Engineer | Cole Solutions, LLC, Piscataway

- Used ASP.Net to develop an end-to-end ERP system for client company for annual budget management and planning. Implemented real time budget calculation in frontend and automated report generated with SQL Server Reporting Services (SSRS).
- Reviewed and resolved present issues in a company mobile app, and reproduced the build and deployment process for this app.

OCT '19 - JUN '21

Research Assistant: Binary Clone & Vulnerability | NJIT, Newark

- Collected, built, decompiled, and analyzed binary code.
- Downloaded free source code from GNU and compiled using different compilers like gcc and clang with different optimization levels and constructed a binary code data pipeline for research.
- Studied technical papers and replicated deep learning models using Python with PyTorch.
- Conducted comparative analysis of various deep learning models and measured the performance.

Projects

Baby Camera

- Self-made baby camera with night vision and continuous recording. Developed using Raspberry Pi 5, Pi Camera 3 and One Drive API.

Spanish to English translator

- Simple GUI application developed using the API of OpenAI and GUI framework Pyside6
- Continuously captures the Spanish live caption on the screen and continuously translate to English

Binary Clone Detector

- A deep learning model with Multiread Self-Attentive to learn the binary code and try to find and measure the similarity between two pieces of binary code.

Skills

Language:

Python, JavaScript, C, C++, Java, HTML/CSS, SQL

OS:

Linux, Windows

Libs, Frameworks & APIs:

Boto3, fastAPI, Jinja2, NumPy, Selenium, Sklearn, Pandas, Pyside6

Node.JS, ReactJS, VueJS

Google API, AWS

Others:

Radare2, Photoshop, Unity, UE4

Education

Master of Science in Computer Science Degree
New Jersey Institute of Technology, NJ
Graduated: 2021
GPA: 3.7