

LIN H. CHEN

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EXPERIENCE

TradeView Markets, LLC

New York, NY. 02/2022 - Current

- Designed and implemented microservices within a serverless architecture, leveraging AWS Lambda, DynamoDB, and S3 for more efficient and scalable solutions.
- Took responsibility for an existing automated program developed by a former colleague. Initiated documentation and diagrams leading to enhanced clarity. Improved the application's reliability and readability while actively maintaining the source code and executing vital integrations.
- Developed a strategic plan to transition and re-implement the application within a serverless microservices architecture.
- Established both frontend and backend infrastructure resources and implemented CI/CD using AWS CodePipeline. Conducted thorough code reviews and maintained the deployment cycle.
- Implemented GitHub Action workflows to facilitate synchronization across multiple internal GitHub repositories.
- Researching and implementing algorithmic trading strategies through the application of machine learning and deep learning models.

Cole Solutions, LLC

Piscataway, NJ, 08/2021 - 01/2022

- Creating a customized ERP system based on client's requirements, spanning from frontend to backend development using ASP.NET Core and Azure cloud services.
- Conducted a comprehensive review and analysis of the company's mobile app source code, left by former developer. Investigated and resolved issues and bugs and successfully reproducing the IOS and Android APP build process.

Research: Binary Clone & Vulnerability

Newark, NJ, 10/2019 - 06/2021 (Research Assistant)

- Collected, built, decompiled, and analyzed binary code, while also constructing a data processing pipeline using Python.
- Studied technical papers and replicated deep learning models using PyTorch. Conducted comparative analyses of various deep learning models, including RNN, LSTM, and BERT, to evaluate their performance in binary code clone and vulnerability analysis

PROJECTS

MT5 Demo Contest

- A website user can register for a demo account account and participate in a demo trading contest. User can modify, manage and view their profile, demo accounts and leaderboard on the website.

Tech Stacks: ReactJS, Python, AWS Amplify, AWS Api Gateway, Dynamodb, Lambda

OSR Bilingual translator

- Simple GUI application written in capture the text in the area and continuously translate text to target language.

Tech Stacks: Python, PyQt, OpenAI API

Multihead-SelfAttentive

- A deep learning model with Mutihead Self-Attentive to find the similarity of two pieces of binary functions.

Tech Stacks: Python, Pytorch, Pandas, Numpy, Sklearn, Gensim, AllenNLP, radare2,

<https://github.com/lhchen42>

<https://lhchen42.github.io>

SKILLS

Programing Languages:

Python, C/C++, C#, Java, HTML/CSS, JavaScript
NodeJS

Other Tech Stack

Pytorch, ASP.Net AWS SAM, Google API
AWS Lambda, S3, Dynamodb, Amplify, sklearn,
PyQt, Selenium, VueJS, ReactJS, JQuery, ReactJS,
MySQL, AllenNLP, Gensim, r2pipe, Express, VueJS,
JQuery, Pandas, Numpy

Other:

Docker, GDB, Git, Github, Github Action, Radare2

EDUCATION

New Jersey Institute Of Technology

Newark, NJ

2019 - May, 2021

Master of Science: Computer Science

GPA: 3.70

AWARD & GRANTS

NSP I-Corps Site Mini Grant

IBM Blockchain Practitioner Badge

IBM Design Thinking Practitioner Badge