

LIN H. CHEN

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EXPERIENCE

TradeView Markets, LLC

New York, NY. 02/2022 - Current (Software Developer)

- Designed and implemented microservices within a serverless architecture, leveraging AWS Lambda, DynamoDB, and S3 for efficient and scalable solutions.
- Assumed responsibility for an existing automated program developed by a former colleague. Initiated documentation and diagrams for presentation to the CTO, 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 pipelines 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 (Junior Software Developer)

- Creating a customized ERP system tailored to the 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, originally developed in the Ionic framework by a former developer. Investigated and resolved issues and bugs while 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

OSR Bilingual translator

- Simple GUI application written in pyqt that can select specific area on the screen, capture the text in the area and continuously translate text to target language.

Simple Calendar

- Single week challenge project, a calendar web application implement in vue.js and back by firebase
- Having both Monthly and Weekly calendar layout and allow user to create and manage event and appointments.

Multihead-SelfAttentive

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

SKILLS

Programing Languages:

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

Experienced Frameworks & Libraries:

Pytorch, Pandas, Numpy, sklearn, Google API, PyQt
Selenium, VueJS, JQuery, ReactJS, MySQL, AllenNLP,
Gensim, r2pipe, Express, VueJS, JQuery, ReactJS, PyQt,
ASP.Net

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