LIN H. CHEN

E: lhchen42@gmail.com | (646)-519-0612 | **A:** Livingston, NJ, 07039

https://github.com/lhchen42

EXPERIENCE

TradeView Markets, LLC

New York, NY. 02/2022 - Current

• Designed payment microservices architecture and implemented, integrating payment methods from different vendors, such as **Bitpay**, **Bitwallet**, **Sticpay**, **Skrill** and etc. Provide single API for all the payment method to frontend for easy integration.

• Taking over the responsibility for an existing program developed by a former developer that perform automated client integrity verification utilizing service like **Au10tix**, **Refinitiv Worldcheck**. Review and refactor the program to improve the efficiency and reliability. Meanwhile, redesign the architecture and developed strategic plan to transit and re-implement the program as microservice utilizing AWS services.

• Established both frontend and backend infrastructure resources and implemented CI/CD using **AWS Code Pipeline**. Conducted thorough code review and maintained the deployment cycle.

• Implemented **GitHub Action** workflows to facilitate synchronization of the projects across multiple repositories and environments.

• Researching and implementing algorithmic trading strategies through the application of machine learning and deep learning technology.

Tech Stack: Python, AWS Services (Lambda, Dyanmodb, Code Pipeline, S3, Amplify and etc), AWS SAM, Git/Github, Github Action, Selenium, Jinja2, PyGraphViz, Pytorch, Docker, Google API

Cole Solutions, LLC

Piscataway, NJ, 08/2021 - 01/2022

• Creating a customized ERP website using **ASP.NET Core**. As a convenient solution that allow accountants of client company to create and manage their business budgets.

• Conducted a comprehensive review and analysis of the company's mobile app source code written in **Ionic** Framework, left by former colleague. Investigated and resolved various issues and bugs. And then, reproducing the IOS and Android App build process.

Tech Stack: C#, ASP.NET, Azure Cloud Services, HTML, JQuery, SQL Server, Git/BitBucket, NodeJS, React Ionic Framework

Research: Binary Clone & Vulnerability

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

• Collected, built, decompiled, and analyzed binary code, and 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**.

Tech Stacks: Python, Pytorch, Numpy, Pandas, Scikit-learn, pydot, Git/Github, AllenNLP, Gensim, Radare2, r2pipe, GDB

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, 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

2016 - May, 2021

Bachelor & 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

PROJECTS

MT5 Demo Contest https://hetrades.com

• A website feature with leaderboard, user can sign up and register for MT4 and MT5 demo trading accounts. View and join the demo trading contest.

Tech Stacks:
Frontend: ReactJS, HTML/CSS, MUI, AWS Amplify   Backend: Python, AWS Lamba, Api Gateway, Dynamodb, AWS SAM

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