LIN H. CHEN

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EXPERIENCE

Software Engineer

TradeView Markets, LLC. New York, NY. 02/2022 - Current

- Designed payment microservices architecture that provide API for multiple payment methods. Integrated payment methods from different vendors like Bitpay, Bitwallet, Skrill and etc.

- Took over the responsibility for existing python application developed by a former developer perform automated client integrity verification utilizing services **Au10tix**, **Refinitiv Worlcheck** and **Google API**. Refactoring code to improving the efficiency and reliability. Meanwhile, redesign the system and re-implement it as migrating to serverless architecture using AWS.

- Established both frontend and backend infrastructure resources and implemented CI/CD with **AWS Cloudformation** and **Code Pipeline**. Conducted thorough code review and maintaned the deployment cycle.

- Implemented Github Action workflows to synchronize of the projects code across multiple repository and environments.

- Performed research, and implement algorithmic trading strategies using machine learning and deep leanrning.

  Python, AWS Lambda, Dynamodb, Code Pipeline, S3, Amplify and etc. AWS SAM, Selenium, Jinja2 PyGraphViz, Pytorch, Docker Git/Github and etc

Junior Software Engineer

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 former mobile app source code wirtten in Ionic Framework. Investigated and resolved various issues and bugs. Meanwhile reproduce the build process for IOS and Android App.

  C#, ASP.NET, Azure, HTML, JQuery, SQL Server, Git, Bitbucket, Node.js, React, Ionic Framework

Research Assistant: Binary Clone & Vulnerability

NJIT Newark, NJ, 10/2019 - 06/2021

- Work with a professor, to collected, built, decompiled, and analyzed binary code, and constructed a data pipeline.

- Studied technical papers and replicated deep learning models using **PyTorch.** Conducted conparative analysis of various deep learning model, performance on code clone and vulnerabilities detection in binary code.

  Python, Pytorch, Numpy, Pandas, Scikit-learn, pydot, Git/Github, AllenNLP, Gensim, Radare2, r2pipe,BDB, Linux

SKILLS

Programing Languages:

Primary: Python
Secondary: C, C++, C#
Other: Java, Javascript

Experienced:

Pytorch, Numpy, Pandas, Sklearn, AllenNLP, Gensim radare2

Node.JS, Vue3, React, Ionic Framework, Express.JS JQuery, HTML, CSS

AWS SAM & Services: Amplify, Code Pipeline, Cloudformation Dynamodb, EC2, Lambda, SNS, VPC.

Google API: Gmail, Google Drive, Google Sheet

Blender, Docker, Photoshop, Unity, UE4

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

CopyTrader [MQL5, Express.JS, OKX API]

- A **MT5** EA that automatically capture user's crypto order information in MT5. Sending to a custom server integrated with **OKX API** to create same crypto order in **OKX**.

HeTrades.com [ReactJS, HTML/CSS, MUI, AWS Amplify, AWS Lambda, Dynamodb, S3]

- A website for **MT5** Demo Trading Contest. Including an home with contest informations and a user console, user can sign up and register account in directly in the website, to view and manage their demo trading accounts, as well as join various contest.

OSR Bilingual translator [Python, PyQt, OpenAI API]

- Simple GUI application that can capture the text in the selected area on the screen. And continuously translate captured text to target language using **OpenAI API**.

Multihead-SelfAttentive [Python, Pytorch, Pandas, Numpy, Sklearn, Gensim, AllenNLP, radare2]

- A project done during the research. It is a deep learning model with **Mutihead Self-Attentive** to find the similarity two pieces of binary code