Zhen Sun

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EDUCATION

California State University, Northridge

Northridge, CA

Master of Science, Computer Science; GPA: 3.84/4.00

Jan. 2020 - May. 2022

o Coursework: Computer Arch, Computation Theory, Database, Data Structure & Algorithm, Data Mining, Machine Learning, NLP

University of California, Riverside

Riverside, CA

Postgraduate Diploma, Business Administration and Management

Sep. 2014 - Sep. 2015

Shanghai University

Shanghai, China

Bachelor of Science, Information and Computing Science; GPA: 3.62/4.00

Sep. 2010 - May. 2014

Experience

Self-employed

Greater Los Angeles, CA

Market Research Analyst

Mar 2017 - Present

- Build cryptocurrency trading systems by modeling and monitoring trading data and metrics across exchanges.
- Trace and forecast future market trends by developing qualitative and quantitative research.
- Identify potential opportunities like DeFi and NFTs by collecting information from various sources.

Golden West Capital, Inc. & Sumunity, Inc.

Pasadena, CA

Data Analyst / Blockchain Developer

Aug 2017 - Apr 2018

- Worked for both companies in Blockchain and Data fields.
- Perform data ETL approach and prepare visualized business reports.
- Predict the possible revenue by collecting and modeling business data from similar fields.
- Trace and find market trends and idea product by tracing latest information from various sources.
- Improved algorithm in some crypto currencies and deploy competitive DApps on Ethereum.

Golden West Capital, Inc.

Ontario, CA

Data Analyst

Nov 2015 - Apr 2018

- Use data mining method to decide proper rent for each potential tenant, increased prospective rent by 26%.
- Build model to find the best ad to put on social media with UCB algorithm, improved CTR(Click-Through Rate) by 50%.
- Prepare visualized business reports for supervisor and board of directors.
- Help improved encryption of a cryptocurrency with double-Scrypt algorithm.

China Gold Group Corporation

ZhengZhou, China

Data Analyst Intern

Jul 2012 - Aug 2014

- Trace and monitor volatile gold price by developing qualitative and quantitative research.
- Find Arbitrage opportunities on gold futures.

PROJECTS

- Assessments of Transformer Fine-tune on Summarization: Research assessments use several pretrained transformers checkpoints from Huggingface API, downstreaming and fine-tuning to text summarization tasks and evaluating the performance including T5, T5-small, BART, Encoder-Decoder model with BERT, and ProphetNet.
- Covid-19 Data Visualization: Data visualization of the latest Covid-19 data from covidtracking.com and linear plot the trend lines.
- Bitcoin Price Prediction with LSTM: A RNN model built with stacked LSTM to predict the trend of bitcoin price. This model uses the previous daysteps of data to predict the next day's price.
- Simple Blockchain in Go: A blockchain program for library system made with golang, include the basic ideas such as Hash, Validation and Web Server.

SKILLS

- AWS, Data Mining, Data Visualization, Machine Learning, NLP, Market Research, Business Modeling
- Languages: Python, Golang, C/C++, Matlab, SQL