

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
 - 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-Script 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