Guoxin Sun

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EDUCATION University of California, San Diego	2018-2020
Master of Science in Computer Science	La Jolla CA
• Core Courses: Data Mining & Predictive Analysis, Large-Scale Databas	
Neural Networks/Pattern Recognition, Statistical NLP, Recommender System	
Virginia Tech	2014-2013
Bachelor of Science in Computer Science, Minor in Mathematics	Blacksburg, VA
Phi Beta Kappa	
Core Courses: Software Design, Machine Learning, Data Analytics & Vis	sualization, Professionalism in Computing,
Cloud Software Development, Multimedia/Hypertext, Comparative Lang	uages, Technical Writing, Public Speaking.
WORK EXPERIENCE	
Huawei Technical Service Co., Ltd.	5/30/2021-6/01/202
Full-time Advisory Engineer	Shanghai, Chin
• Contributed to the development and maintenance of software solutions.	
 Created models for high-quality business analysis and insights. 	
 Developed data processing tools for wireless products, improved servicea 	ability, and promoted the implementation of tools.
RESEARCH/PROJECT EXPERIENCE	
Portfolio Optimization Based on Reinforcement Learning	02/2022-07/202
ndependent Research	Shanghai, Chin
• Built quantitative tools to estimate asset-pricing models, asses financial ri	
Developed a portfolio optimization model using Twin Delayed Deep Det	-
E-Commerce Shopping Website	08/2020-12/202
AWS Big Data Project	La Jolla, Ca
• Created an Order History App using Kinesis Data Streams, Lambda, and	-
• Achieved Product Recommendations using Kinesis Data Firehose, S3, an	Id EMR.
• Set up Transaction Rate Alarm to deal with unexpected rate of orders.	Electioneensk Correies
• Established Near-real-time Log Analysis using Kinesis Data Firehose and	Elasticsearch Service.
 Practiced Data Warehousing and Visualization. Fwitter Data Analysis 	01/2019-08/201
Independent Research	La Jolla, Ca
• Developed a scalable pipeline using Java and Play Framework.	
• Solved the asymmetric problem of producers and consumers by implementation of the second se	nenting a high performance parallel data fetchin
system using RabbitMQ.	
• Performed sentiment analysis with NLP and various Machine Learning m	
Built a web UI that communicates with backend RESTful APIs to visuali	
• Fulfilled database design in MySQL to store and retrieve analytic results. Global Event and Trend Archive	01/2018-05/201
Undergraduate Capstone Project	Blacksburg, VA
 Designed and implemented a distributed system to extract and parse the 	-
Hadoop, and bash.	ores in twees using sava, i yulon, spark, seale
 Boosted retrievable URLs by 20% using Wayback Machine. 	
 Conducted a systematic URL analysis on different characteristics in URL 	s with Python and Tableau
SKILLS & CERTIFICATES	a man i yalon alki tuoleau.
 Proficient in Python, C, Java, R, SQL, Shell; PySpark, Hadoop, Scala, AV 	WS and MongoDB
 Skilled in data mining, analysis, and visualization: NLP and Recommend 	-

- Skilled in data mining, analysis, and visualization; NLP and Recommendation Systems.
- Solution Architect Associate AWS; Data Engineer DataCamp; Senior Data Scientist DASCA (expected Jun. 2023).