Jifu Zhao

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Education

University of Illinoi Ph.D. in Nuclear En Master of Science i Master of Science i	gineering n Applied S	GPA 3.91/4.00 Statistics		May 2019 May 2018 Aug. 2016
University of Scien Bachelor of Science		hnology of China r Engineering GPA 3.93/4.30		Jun. 2014
Related Courses Introduction to Dat Applied Regression		Statistical Learning in Data Scient Statistics of Big Data & Clustering		Machine Learning Statistical Learning
Experience				
Synchrony Financia Artificial Intelligenc	e Intern			Chicago, IL May 2018 - Aug. 2018
Conducted compBuilt predictive r	prehensive models wit	lete data pipeline for data query, c feature engineering and visualizat h Logistic Regression, Random For and verification systems with Oper	ion over millions of financial est and Boosting for loan sta	
University of Illinois at Urbana-Champaign Graduate Research Assistant				Urbana, IL Aug. 2014 - Present
 Applied machine Developed algor Implemented Complexity 	e learning t ithms with	op the mobile sensor network sim echniques (PCA, Autoencoder, KN KDE, MLE and Kriging techniques al Neural Networks with Keras/Ten	N, SVM, Isolation Forest) to a for automated radioactive set	anomaly detection ource localization
Projects		ition via Deen Learning		Crating 2010
Built triplet netvImplemented KN	vork with V NN algorith	hition via Deep Learning /GG16 and Inception network to ex m for automated landmark recogr n fine-tuning pre-trained CNNs on	ition and labeling	
Hadoop Implemen	tation of N	Iovie Recommender System		Fall 2017
Implemented ite	em-based o	ility matrix and extracted co-occur collaborative filtering algorithm thr tions based on top-k user rating pr	ough Hadoop MapReduce cl	
Lending Club Data	Analysis a	nd Modeling		Spring 2017
Implemented Lo	gistic Regr	exploratory analysis and feature en ession, Random Forest and Neural n oversampling on highly imbalanc	Networks to predict loan sta	
Skills				
Computer Data Science	Python, SQL, TensorFlow, Keras, R, MATLAB, Java, Hadoop, Amazon Web Service NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, Plotly, H2O, CatBoost, LightGBM, XGBoost			

Data ScienceNumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, Plotly, H2O, CatBoost, LightGBM, XGBoostMachine LearningPredictive Modeling, Anomaly Detection, Computer Vision, Recommender Systems