

Jacky Li (Jinghang Li)

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OBJECTIVE

Jacky (Jinghang) Li, Ph.D., focuses on AI prompt engineering, LLM/ ML model deployment, big data modeling and analyzing, such as deep learning, meta-learning, and black-box optimization from Industrial Engineering at the University of Illinois at Chicago. Current work mainly focused on LLM multi-chat agents and router agent design and deployment, alignment dispatch and health-tracking system model design. Good communication and adaptation skills gained from leading and co-op with off-shore dev team. Extensive experience in Python, SQL, C#, Office, SolidWorks. Critical and system thinker seeking industry opportunities relating to AI system design, model deployment and deep learning optimization.

EDUCATION

University of Illinois at Chicago (UIC)	Chicago, IL
Ph.D. in Industrial Engineering	
Research interests: big data analytics/ Deep learning optimization	May 2017 - December 2021
Master of Science in Mechanical Engineering	May 2017
Tongji University	Shanghai, China
Bachelor of Mechanical Engineering	June 2016

WORKING EXPERIENCE

Senior Data Scientist - Lessen	Mar 2024 - Present
- Real-time Alignment Recommendation System - Led project implementations and on-time deliveries through effective collaboration with cross-functional teams, including DevOps, BI analysts, data engineers, and technical stakeholders.	
Data Scientist II - SMS Assist - Lessen	June 2022 - Dec 2023 - Mar 2024
- Optimization model pipeline designing, performing, and delivering, weekly releases for valued projects' scoring system updates on ~100K locations - Data gathering, cleaning and exploratory data analysis using SQL / Python - Model/Data implementation on AWS platform (Redshift, SageMaker, S3, etc.)	

INTERNSHIP

Data Services Intern Assurant	April 2022- Jun 2022
- Help build data centric applications to implement Machine Learning and AI solutions. - Assist with development and deployment of 'Data as a Service' capability using Python and SQL	

ENGINEERING EXPERIENCES

Topic: Automate adaptation model selection for Deep Neural Networks	April 2020 - December 2021
Automatically select optimized neural network with up to 289% loss value improvement	
Topic: Hyperparameter control for Deep Neural Networks using DDPG	May 2019 - June 2020
Efficient hyperparameter selection under regular/limited smart building dataset (doubles the efficiency)	
Topic: Continuous model adaptation using online meta-learning	May 2017 - June 2020
Efficient parameter tuning for real time commercial/residential building energy data's model adaptation	
Topic: Laser based mobile robot location identification	August 2018- March 2019
Completed a project of robot location detection in UIC together with visiting professor and other students	

OTHER PROJECTS

Big data analytics for 'Crimes in Chicago'	Kaggle dataset; performed in Hadoop
Classification approaches for vowel dataset	Deep Learning and other methods; performed in R/H2O/Python
Daily electricity consumption forecasting for residential/commercial buildings	performed in ARMA model

SKILLS

Computer Skills: Extensive experience in Python in machine learning packages Pytorch, Tensorflow; Experience in SQL, Word, Excel, PowerPoint, SolidWorks, MATLAB, AutoCAD and ANSYS; basic knowledge of Java, R

Communication Skills: Leading and co-op experience with company's off-shore team; Teaching assistant for Financial Engineering, Operational Research, Distributed Decision Making; Collaboration and adaptability; Critical thinking; Flexible and tolerant

PUBLICATIONS

Refereed journal papers:

- Jinghang L, and Mengqi H, Continuous Model Adaptation using Online Meta-learning for Smart Grid Application (2021)
- Yang G, Shuqi W, Jinghang L, Mengqi H, Hongyao X, Hui H, and Laijun W, A Prediction Method of Localizability Based on Deep Learning. (2020)