Qianqian Yao

qianqian.yao@ndsu.edu | 701-941-2889 | https://qianyaoyy.github.io

RESEARCH INTERESTS

Machine Learning, Deep Learning, Graph Representation Learning

EDUCATION

North Dakota State University, Fargo, ND	2019-2023
Graduate in Computer Science (Master's and PhD's Degree Expected)	GPA: 4.00/4.00
Concentration: Applied Machine Learning Focusing on Representation Learning	
Tohoku University, Sendai, Japan	2013-2016
Master of Engineering in Architectural and Building Science	GPA: 3.68/4.00
Concentration: Seismic Evaluation & Structural Analysis and Design	
Dalian JiaoTong University, Dalian, China	2009-2013
Bachelor of Engineering in Civil Engineering & Software Engineering (double major)	GPA: 86.94/100
Concentration: Structural Design & Software Development	
University of California DAVIS, Davis, CA	2015
Cooperative Laboratory Study Program	
Concentration: Academic English for Science and Technology & Lab Research on Structural Seismic	

SKILLS

Python, Java, Tensorflow, Keras, PyTorch, Scikit-Learn, MatLab, etc.
Softwares and Tools in Computer Aided Engineering

SELECTED TOY PROJECTS

GRL: Applications for Catalysts Discovery in Cheminformatics	2021 Fall
GRL: Comparing Performance of GNNs and Conventional Algos for Community Detection	2021 Summer
GRL: Graph Neural Networks of GCN	2021 Spring
NLP: ChatBot as Virtual Assistant	2020 Fall
NLP: Text Classification, python	2020 Summer
Computer Vision: Multi-label Classification based on Image Similarity, python	2020 Spring
RecSys: Implementations of Recommender System based on different models, python	2019 Fall
Deep Learning: Evaluation of Real Estate Market using Deep Learning, python	2019 Spring
Graph Embedding: Network Mining and Analysis using Deepwalk & Line & Node2Vec, python	2019 Spring

WORK EXPERIENCE

North Dakota State University, Fargo, ND	2019-present
Graduate Teaching Assistant	
Shenzhen Yuanlizhu Engineering Consultants Co., Ltd, Shenzhen, China	2016-2018
Assistant Structural Engineer	
Experienced in Computer Aided Engineering	

EXPECTED POSITIONS

Industries	: Academia, IT Industries, Education, Banking, etc.
Positions	: Researcher, Professor, Machine Learning Engineer, Algorithm Engineer, etc.