

Yiqiu Huang

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EDUCATION

Northeastern University

2021-present

- **Degree:** M.S. | **Major:** Data Science
- **Courses:** Algorithm, Supervised Machine Learning, Web Dev, Information Retrieval

MA, U.S.

Northern Illinois University

2019-2021

- **Degree:** Bachelor | **Major:** Statistics | **GPA:** 3.9/4.0

IL, U.S.

Anhui University of Finance and Economics

2017-2019

- **Degree:** Bachelor | **Major:** Statistics
- Joint program with Northern Illinois University

Bengbu, China

PROFESSIONAL EXPERIENCE

Ping An Tech - Machine Learning Intern

03/2021-07/2021

Django(Python) / Pytorch / MongoDB

Shenzhen, China

- Developed the disease prediction module for a Chinese Medicine app with Django
- Developed the de-noising, slicing, and FFT pipeline on audio data and analyzed the spectrum on audio data
- Reproduced the latest paper outcome and built CNN, RNN in Pytorch to classify audio data with 83% accuracy

Nanjing Mengzheng Tech - Data R&D Intern

01/2021- 03/2021

Flask (Python) / Sklearn / Plotly /MongoDB / RStudio

Xiamen, China

- Retrieved, visualized and analyzed the data with MongoDB and multiple visualization library in Python
- Deployed regression analysis algorithms and machine learning algorithms with Flask
- Used statistical inference and regression technique to analyze and process land price-related data

SKILLS

- Software & Tools: **Python, Javascript, Java, C++, R, CSS, HTML, SQL, Git, Node.js, Spark, Scala, AWS**
- Libraries and frameworks: **Spring Boot, Spring MVC, Django, Pytorch, React, Sklearn, Flask, Bootstrap**
- Competent in **Full Stack Web Development, NLP, and Machine Learning**

PROJECT EXPERIENCE

Eshop — E-commerce Shopping Website

Django(Python) / React (javascript)/ React - Bootstrap /sqlite

- Build an E-commerce shopping website with Django as backend
- Applied full featured shopping cart, product reviews and ratings, PayPal / credit card integration and more
- Developed a responsive React frontend utilizing Bootstrap , Redux and AJAX techniques.

KGQA4Financial — Question Answering Bot for Finance and Stock Data

Python / Fasttext / neo4j

- Requested financial and stock data from *Tushare* and stored in knowledge graph using neo4j
- Implemented Fasttext for intent classification to improve robustness
- Implemented AC automation for keyword extraction

Medical NER — Name Entity Recognition for Medical System

- Developed a name entity recognition for medical corpus
- Trying different models such as CRF, BiLSTM, and Ngrams in Pytorch to improved accuracy

Tianchi Big Data Competition: The Classification of News Texts

- Implemented and fine-tuned the Bert + LSTM ensemble model for text classification on news and rank 6% in teams