

Yiqiu Huang

Email: huang.yiqiu@northeastern.edu | Phone: +1 (781)-627-6228

Linkedin: [linkedin.com/in/huangyiqiu](https://www.linkedin.com/in/huangyiqiu) | Github: github.com/hyqshr | Website: huangyiqiu.com

EDUCATION

Northeastern University

2021-present

- Degree: M.S. | Computer Engineering
- 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 with ensemble model of TF-IDF, Jaccard, and word2vec on 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

- Applied full featured shopping cart, product reviews and ratings, PayPal / credit card integration and more
- Developed a responsive React frontend utilizing React-Bootstrap , Redux 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 AC automation for keyword extraction and Fasttext for intent classification to improve robustness

My personal blog

React/ Javascript

- Built a responsive website with rich scrolling animation

Medical NER — Name Entity Recognition for Medical System

- Implemented 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