

# Yiqiu Huang

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## EDUCATION

### Northeastern University

Sept 2021 - Dec 2023 (estimate)

- Degree: M.S. | Computer Engineering *MA, U.S.*
- Courses: Build Game Engine with C++, Scalable Distributed System, Robotic Science and System, Information Retrieval

### Northern Illinois University & AUFE

2017 - 2021

- Degree: Bachelor | Major: Statistics | GPA: 3.9/4.0 *IL, U.S. & China*

## PROFESSIONAL EXPERIENCE

### Instawork - Software Engineer Intern

June 2022 - Dec 2022

*Django / Hyperview / MySQL / Docker / AWS*

*Boston, MA*

- Developed front-end and back-end for mobile application and writing unit test for functionality
- Built *Django deep link* and send hour/daily basis push notification to user with *Celery* and *Iterable*
- Built private messaging connection between users by *Sendbird*
- Deployed *BERT* QA Slack bot and index Slack message history, Confluence and Intercom page for internal searching

### Ping An Tech - Machine Learning Intern

Mar 2021 - July 2021

*Django / Pytorch / MongoDB*

*Shenzhen, China*

- Developed the disease prediction module with ensemble model of *TF-IDF*, *Jaccard*, and *word2vec* on *Django*
- Developed the audio data processing pipeline and *CNN* with Pytorch to classify audio data with 83% accuracy

### Nanjing Mengzheng Tech - Data R&D Intern

Jan 2021 - Mar 2021

*Flask / 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*

## SKILLS

- Language: **Python, Javascript, Java, Go, C++, Matlab**
- Libraries and frameworks: **Django, React, Springboot, Django, Pytorch, Sklearn, Flask, Celery**
- Tools & Software: **AWS, Docker, CSS, SQL, Git, Node.js, HTML, Bootstrap**

## PROJECT EXPERIENCE

### Concurrent Subscription Service

*Go / Chi*

- Concurrent subscription service built with go waitgroup, channel and HTTP service

### Music Recognizer

*Python / Scipy*

- A music recognizer based on FFT and audio fingerprint to identify songs and yield 33% recall in 500 songs

### Eshop

*Django / React / Bootstrap*

- Implemented shopping cart, product reviews and ratings, PayPal/credit card integration and more.

### My Blog

*Django / React / Netlify*

- Built a blog with scroll animation, CRUD backend with markdown support

### KGOA4Financial

*Python / neo4j*

- Built a question answering bot for financial and stock data based on graph database