

Kaiyuan Wei

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EDUCATION

Northeastern University, Boston, MA Jan 2021 - May 2023
Khoury College of Computer Sciences GPA: 3.54/4.0
Master of Science in **Artificial Intelligence**
courses: Machine Learning, NLP, Information Retrieval, OOP, Algorithms, AI Ethics

Northeastern University, Boston, MA Sep 2018 - Aug 2020
Bachelor of Science in **Information Technology** GPA: 3.72/4.0
courses: Data Analysis, Java, Database Websites, Web & Mobile Development, MySQL

SKILLS

Language: Python, Java, JavaScript, Node.JS
Web & Cloud: Flask, Django, FastAPI, Spring Boot, Vue, React, HTML, CSS, AWS, GCP
ML Tools: PyTorch, TensorFlow, Keras, SciKit-Learn, Google CoLab, SageMaker, Jupyter Notebook
Data Tools: MySQL, Mongo DB, Redis, Elasticsearch, Mybatis, Scrapy, NumPy, Pandas,
Software Develop: Python/Java Full Stack, OOP, RESTful API, Software Testing, Machine Learning
Certificate: AWS Certified Machine Learning Specialty

PROJECTS

OpenAI ChatBot [demo | code] Jul 2023

- Divided front/back end, protect sensitive info (API key) on server end (Node.JS)
- Tuning the response from OpenAI API by prompts tuning

Vertical Search Engine [demo | code] Apr 2023

- Rapidly scraped large number of webpages using multiple threads, stored result in Elasticsearch;
- Designed interface to retrieve and analyze docs from ES that related to query terms.

Q&A ChatBot [demo | code] Dec 2022

- Integrated End-To-End Network with LSTM model to achieve a Q&A ChatBot
- Deployed model with Flask frame as a system service on Linux server (AWS)

Movie Recommend Model [demo | code] Nov 2022

- Reduced size and enhance speed of the model by using Item-CF;
- Recommended movies according to cosine distance between query and stored dataset

WORK EXPERIENCE

Python Web Developer | Napa Reserve Fine Wines (Shanghai, China) 2013 - 2018

- Adopted dynamic technique (JavaScript/CSS/jQuery) for company website;
- Designed and implement the backend structure of website using Python & Django;
- Improved performance & stability by optimizing indexes and database sharding.

ACTITITIES & COURSES

Khoury Research Apprenticeship program candidate
Spring Boot 3, Spring 6 & Hibernate for Beginners (Udemy)
Ultimate AWS Certified Cloud Practitioner CLF-C02 (Udemy)
Natural Language Processing with Python (Udemy)