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

Liaoning College of Taxation, Dalian, China   Sep 1998 - Jun 2021
Associate degree of **Management Information System**

SKILLS

Coding Language: Python, Java, R, C++, JavaScript/TypeScript, NodeJS, SQL, HTML/CSS
ML Tools: Jupyter Notebook, Google CoLab, AWS SageMaker, TensorFlow, Keras, PyTorch, SK-learn, NumPy, Pandas, Matplotlib, Seaborn
ML Models: XGBoost, Decision Tree, Random Forest, SVM, KNN, MLP, PCA, RNN, LSTMs, GRU, Attention, Transformer, BERT, spaCY, NLTK, CNN, ResNet, ResUNet
Data Tools: MySQL, Mongo DB, Redis, Elasticsearch, Scrapy, Docker, Ubuntu/CentOS
Certificate: AWS-Certified Machine Learning Specialty, Udemy-Elasticsearch and Elastic Stack

Working Experience

Backend Engineer | Napa Reserve Wines (Shanghai, China)   Jun 2013 - Jan 2018
- Designed and implement the backend structure of company website using Python and Django;
- Balanced the workload of SQL server by I/O separation & add slave server.

Frontend Engineer | Shilian International Freight Co., Ltd. (Shanghai, China)   Sep 2007 - Apr 2013
- Adopted dynamic technique (JavaScript/CSS/jQuery) for website, responsible for daily maintenance;
- Help co-workers address IT-related issues in the whole office.

PROJECTS

Q&A ChatBot   Dec 2022
- Integrated End-To-End Network with LSTM model to achieve a Q&A ChatBot;
- Deployed trained model with Flask on webpage, achieved interactive inference.

Movie Recommend Model   Nov 2022
- Trained the model to process and analyzed the data info of all movie comments;
- Recommended similar movie according to the query from user input and movie cosine distance.

Health Prediction   Nov 2022
- Transferred unstructured data from sensor record into tabular format data for ML algorithm;
- Achieved online inference by deploying project on AWS EC2 instance.

TicTacToe w/ Handwriting Recognition   Aug 2021
- Trained model with CNN model to recognize hand-written digit 0-9;
- Achieved the most optimal moves for AI agent with SVM/KNN/MLP algorithms.

ACTITITIES

course: Elasticsearch and the Elastic Stack (Udemy)

course: Intro to TensorFlow for Deep Learning (Udacity)