



KAIYUAN WEI

Boston, MA

available: May - Dec, 2022

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GitHub 🔗 | LinkedIn 🔗

EDUCATION

Northeastern University Boston, MA
Khoury College of Computer Sciences
candidate for Master of Science in
Artificial Intelligence
Jan 2021 – present GPA: 3.43/4.0
courses: Foundation of AI, Machine Learning, OOP,
Algorithms, AI Ethics

Northeastern University Boston, MA
College of Professional Studies
Bachelor of Science in
Information Technology
Sep 2018 - Aug 2020 GPA: 3.7/4.0
courses: Java, SQL, Database Websites, Web & Mobile
Development

Liaoning College of Taxation Dalian, China
Associate Degree of
Management Information System
Sep 1998 - Jun 2001 GPA: 80/100

MODELS

Machine Learning: DT/RF/SVM/KNN/MLP
Deep Learning: CNN/RNN/LSTMs
Reinforcement Learning
Regression
Classification
Data Cluster

SKILLS

Python	100%	Jupyter NB	100%
Java	100%	Google CoLab	100%
SQL	90%	TensorFlow	90%
JavaScript	80%	Scikit-learn	90%
CSS	70%	Keras	80%
HTML	90%	NumPy	85%

EXPERIENCE

PROJECTS

Text Prediction 🔗 May 2022

- Deployed RNN for text process & word prediction using TF & Keras
- Adopted pre-trained Keras ML algorithms via Transfer Learning

Song Mood Classification 🔗 May 2022

- Clustered data and classified mood of songs using RF/SVM/MLP
- Obtained meta data of song for data preparation through Spotify API

Stock Price Prediction 🔗 Apr 2022

- Built a LSTMs model to predict stock price (time series data)
- Achieved low MSE of 11.731 and loss rate 0.0017

Balance Robot 🔗 Aug 2021

- Achieved efficient Reinforcement Learning algorithm by OpenAI-Gym
- Simulated and display process of robot learning through OpenGL3

Handwriting Recognition TicTacToe 🔗 Aug 2021

- Implemented CNN/KNN from Scikit-learn for handwritten number recognition
- Enhanced performance using Q-Learning (RL) and Minimax strategy

WORK EXPERIENCE

Longcen Electronic Device Co., Ltd, Shanghai, China
IT Supervisor Jun 2013 - Jan 2018

- Designed dynamic website using CSS, JavaScript, Bootstrap
- Supervised and monitored functionality of ERP & Database

Napa Reserve Fine Wines Co., Ltd, Shanghai, China
IT Specialist Sep 2003 - Apr 2013

- Enriched function of website with PHP and MySQL
- Visualized webpage elements with Photoshop/Illustrator

ACTITIES

Intro to TensorFlow for Deep Learning (Udacity course)
Getting Started with AWS Machine Learning (Coursera course)
Google Data Analytics Certificate (Coursera course)
Machine Learning Course (Simplilearn course)