



KAIYUAN WEI

Boston, MA

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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

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%
R	80%	Google CoLab	100%
Java	90%	TensorFlow	90%
SQL	90%	Scikit-learn	90%
JavaScript	80%	Keras	80%
CSS	70%	NumPy	85%
HTML	90%	spaCY	75%

EXPERIENCE

PROJECTS

Text Prediction May 2022

- Adopted LSTMs model from TF & Keras for NLP via Transfer Learning approach.
- Trained the model with any example and then generate new content from random input.

Song Mood Classification Apr 2022

- Use Python to obtained meta data of songs through Spotify API. Use this data to classified and clustered the mood of songs.
- Trained model with RF/KNN/SVM/MLP respectively, compared performance of each classifier.

Stock Price Prediction Apr 2022

- Trained model with LSTMs/CNN (respectively) on Google CoLab to predict stock price.
- Compared the performance of 1-D CNN and fully Convolutional (WaveNet) CNN models.

Handwriting Recognition TicTacToe Aug 2021

- Python project allows player to select opponent among AI, Robot or human player.
- The model was trained with CNN to recognize hand-written digit 0-9.
- Trained AI agent with SVM/KNN/MLP to perform the most optimal moves, robot agent adopted MiniMax strategy to find the best moves.

Balance Robot Aug 2021

- Trained the model with Q-Learning to achieve longer balance time for the robot.
- Visualized the learning process by using OpenGL3 library.

ACTITITIES

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)