

# KAIYUAN WEI

Boston, MA

available: May - Dec, 2022

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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 Al, Machine Learning, OOP,
Algorithms, Al Ethics

Boston, MA

Northeastern University

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

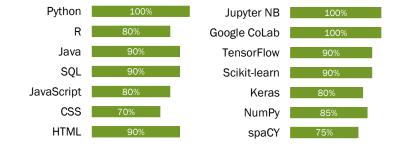
Reinforcement Learning

Regression

Classification

Data Cluster

## **SKILLS**



## **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 Al 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)