

Max Xiang

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Nationality: ITA

Skills

Machine learning	Scikit-learn, Tensorflow, Keras
Programming	Python, C/C++, Java, Bash, Matlab, LaTeX
HPC	OpenMP, MPI, CUDA
Web	Flask, HTML, Jinja, REST API
DevOps	Azure, Docker,
Languages	English (fluent), Italian (native)

Work Experience

COFCO International

Genève, Switzerland [Remote]

DATA SCIENTIST

Feb. 2020 - Present

- Implemented pricing models for the Asian option market.
- Built and deployed visualisation tools for traders.
- Building data pipelines and ETL processes.
- Automated manual data collection, doubling the amount of data available for analysts.

Yoroi

Cesena, Italy

MACHINE LEARNING INTERN

Nov. 2017 - Jan. 2018

- Developed deep learning models for malware detection using Scala.
- Deployed prediction server using Docker container and Apache PredictionIO.

Education

The University of Manchester

Manchester, England

MSC IN ARTIFICIAL INTELLIGENCE

2018 - 2019

- Dissertation on human motion synthesis, built an editor with OpenGL for visualising and generating novel animations using motion capture data. Code and written thesis are available on [my github](#).
- Used NLP techniques to mine tweets about Brexit impact on the job market. This involved topic modelling, sentiment analysis and name entity recognition.
- Modules: Machine Learning, Modelling of High-Dimensional Data, Text Mining, Computer Vision, Software Engineering, Agile Development

University of Bologna

Bologna, Italy

BSC IN COMPUTER SCIENCE AND ENGINEERING

2014 - 2018

- Dissertation in Computer Graphics, involving the development of a virtual reality application for medical imaging diagnosis using Unity 3D and the SteamVR platform.
- Led a team project designing and developing a sandbox physics simulator of the solar system in Java, using the MVC architecture.

Extracurricular Activity

Freelance

PROGRAMMING TUTOR

May. 2020 - Nov. 2020

- Teaching high school students programming using Arduino as case study.

Coursera

DEEP LEARNING SPECIALIZATION CERTIFICATION

Aug. 2020 - Nov. 2020

- In this series of 5 courses, I learned more about building Convolutional networks, RNNs, LSTM, and structuring machine learning projects.