



POOYA MOHAMMADI KAZAJ

AI RESEARCHER & DEVELOPER

ABOUT

I am a passionate AI researcher who is always seeking new challenges and learning cutting-edge technologies

PROFESSIONAL SKILLS

Programming Languages:

- Python, C++, C#, MatLab

AI:

- Computer Vision
 - Object Detection(YOLO, Faster RCNN, etc.)
 - Segmentation(DeepLab, UNet, MaskRCNN)
 - Auto-Encoders, GANs(CycleGAN, Pixel2Pixel, etc.)
- NLP
 - NER, Sentiment Analysis, etc.
 - Transformers, Ktrain.
- Reinforcement Learning
 - DQN(DDQN, PER, Rainbow, etc.), Actor-Critic(DDPG, PPO, SoftAC, etc.)

Frameworks & Libraries:

- PyTorch, TensorFlow, Keras.
- OpenCV, Scikit-Learn, Librosa.
- PyQt5, Multiprocessing, Threading

Concepts:

- OOP
- Agile(Scrum, Kanban)

Other:

- Git/Gitlab, CI/CD
- Linux
- Docker, Docker-Compose
- Kafka, kafdrop
- DB: MySQL, Cassandra, Redis, MinIO
- Fluent in English

INTERESTS

- Multi-Agent Deep Reinforcement Learning
- Speech: TTS, ASR

PERSONAL SKILLS

Creative spirit, Reliable and professional
Organized, Time management
Team player and Team leader
Fast learner and Motivated

CONTACT

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SOCIAL

LinkedIn: <https://linkedin.com/in/pooya-mohammadi>

Github: <https://github.com/Practical-AI>

YouTube:

<https://www.youtube.com/c/PracticalAI>

WORK EXPERIENCE

COFOUNDER & AI TEAM LEAD

SYMO | Oct 2020 - May 2021

Developed a Visual Search Engine for fashion clothes using object detection, segmentation, and feature extraction models.

SENIOR AI DEVELOPER

BAHARAN | Feb 2020 - Apr 2021

- Developed a full-featured AI library regarding face recognition, object detection, and text recognition using Tensorflow, Pytorch, and Keras.
- Developed a highly scalable microservice platform to orchestrate face recognition & plate detection using Kafka, Docker, Minio, and Redis.
- Sentiment analysis and Named Entity Recognition research and implementation for classifying Persian text data using ParsBERT.

PYTHON & AI DEVELOPER

Freelancer | Nov 2018 - Nov 2019

- Developed a desktop application for Stock Information Visualization, Storage & Strategy Tester for high-volume processes using Python (Multi-Processing, PyQt5), MySQL & Evolutionary Algorithms, 2018 - 2019
- Developed a Stock Information Crawler using Python(Multi-Threading & Beautiful Soup)

PYTHON DEVELOPER

Freelancer | Jun 2017 - Mar 2018

Developed a desktop application for Stock Information Storage & Tester for high-volume processes using Python(Multi-Processing, PyQt5, Cython) & MySQL.

EDUCATION

MASTERS IN GEOGRAPHICAL INFORMATION SYSTEMS

Khaje Nasiroddine Toosi University | 2017 - 2021

- GPA 18.39(4.0/4.0 as calculated by WES)
- Wrote a thesis on "solving pickup and delivery problems with deep reinforcement learning."

BACHELORS IN SURVEY

Khaje Nasiroddine Toosi University | 2013 - 2017

- GPA 17.83(3.83/4.0 as calculated by WES)
- Ranked 1st among the Geomatic Engineering students

OTHERS

Book Translation | 2019

- Translated "TensorFlow for Deep Learning: From Linear Regression to Reinforcement Learning" by Bharath Ramsundar & Reza Bosagh Zadeh to the Persian language.

Deep Learning and Python Course Instructor | Jun 2019 - Feb 2020

- Videos and Codes are published in my YouTube and Github accounts.