Artem Zhukov CV

https://github.com/ZhukovGreen

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Software engineer and machine learning engineer with more than 4 years of experience.
Interested in building web applications, growing as a professional, learning new
technologies, experimenting and building interesting products.

Tech stack

- web, web applications, microservices, api
- python, aiohttp, numpy, pandas, pytorch, keras, scikit-learn, xgboost, opencv,
freecad
- linux, shell, git, docker, gitlab, postgresql, redis, openapi,
swagger
- vim, pycharm

Free time

I contribute to open-source projects (i.e.
https://github.com/cr0hn/aiohttp-cache,
https://github.com/webknjaz/docker-freecad-cli,
), writing telegram bots (i.e.
https://github.com/ZhukovGreen/gcal_*time*_track_*tg*_bot,
), testing different neural nets architectures and learning new things.

Experience

System Architect | Machine learning engineer | Software team leader at Remak

Dates Employed Aug 2017 – Jan 2020

Employment Duration 2 yrs 6 mos

Building a software platform to support new products and the company's processes.
- leading the team of 4 developers, learning from them
- determining backend architecture and technological stack
- building microservices (Python, aiohttp, Docker, openAPI ...)
- setting up CI pipelines for microservice unit and integrational tests and
deployment to the staging server
- setting up app monitoring
- applying machine learning techniques to complement the user experience.
Particularly speeding up the calculation processes (supervise learning, mostly
with gradient boosting, applying optimization with evolutionary algorithms)

Projects
- Air handling units selection engine powered by machine learning
- https://gitlab.com/remak-dva/docker-freecad-cli
- https://gitlab.com/zhukovgreen/pozemky - This is how I bought my home
- https://github.com/ZhukovGreen/gcal_*time*_track_*tg*_bot - This is how I used to
track my time
- Dog breed identification
https://github.com/ZhukovGreen/dog-project/blob/master/dog_app.ipynb
- Reinforcement learning
https://github.com/ZhukovGreen/machine-learning/blob/submission/smartcab/projects/smartcab/smartcab/agent.py
- Supervise learning problem https://github.com/ZhukovGreen/UMLND/blob/d7a1326247705cac90120c266ca6296e7b19e257/finding_*donors/finding*_donors.ipynb

- PyTorch, transfer learning https://github.com/ZhukovGreen/pytorch-scholarship-challenge
- Unsupervised learning problem https://github.com/ZhukovGreen/machine-learning/blob/submission/costumer-segments/projects/customer_segments/customer_segments.ipynb

Education
Udacity

Degree Name Nano-degree
Field Of Study Machine Learning
Grade Nano-degree
Dates attended or expected graduation 2016 – 2018

https://www.udacity.com/course/machine-learning-engineer-nanodegree--nd009

Stanford University Online

Degree Name Online Education
Field Of Study CS229: Machine Learning
Grade NA
Dates attended or expected graduation 2016 – 2017

I passed through all lectures videos and keynotes, resolved all assignments.
Course syllabus: http://cs229.stanford.edu/syllabus.html

Donbass State Academy of Civil Engineering and Architecture

Degree Name Master’s Degree
Field Of Study Mechanical Engineering (HVAC)
Grade M.Sc. in heating, ventilation, air conditioning systems
Dates attended or expected graduation 2002 – 2008

Courses

Udacity: PyTorch Scholarship Challenge from Facebook
A vast amount of different courses at Udemy, such as data structures and algorithms, PyTorch Reinforcement learning etc.