Hi, my name is Igor Ryabtsov, 35 (-ـ_ـ-)

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I'm looking for a position of a Machine / Deep Learning Engineer, async/remote prefered

Education

- M. Sc. in "Applied Mathematics and Computer Sciences", Samara University, "cum laude", 2009
- Ph. D. in "Real, Complex and Functional analysis", Voronezh State University, 2012

I use in projects

- Python 3.x, sometimes C++ and CUDA-C
- PyTorch (main framework by far), TensorRT, ONNX, TensorFlow, Keras, fast.ai, Caffe, Python's DS stack, OpenCV, dlib, AWS / GCP / Azure

Background in ML / DL / DS / AI

- ML Engineer, Senior ML Engineer, Head of R&D Dept at WeSEE // July 2010 – November 2015

  Worked on: WeSEE:Search – a search engine for over 200,000,000 images, WeSEE:Filter – a brand-safety tool (detects nude, violent, inappropriate UG images), WeSEE:Ads – a targeting service focused on a visual content (images and videos). As Head of R&D at WeSEE I led the team of five ML engineers. I was also involved in company patenting processes.

- Algorithm Development Lead at RepN'Up / Personity.AI // November 2015 – May 2018

  Worked on various Computer Vision tasks aimed at user reputation issues in social media (imagine deleting all your drunk photos before attending an important interview in a bank). Training DNN image classifiers, OCR for user-generated memes + NLP for assessment, facial recognition, age-gender-race analysis.

  In Personity.AI was to train ML models that can understand human personality (estimate Big-5 scores) from Facebook, Instagram and Twitter data using images and text data.

- DL Consultant at Mati Biometrics // September 2016 – March 2018

  Train models for facial recognition and protect it against various spoofing attacks (printed, replay, silicon masks) using a frontal camera. Main challenge was to make all models work on average Android smartphones at 25 FPS, without GPU acceleration.

- Cortica // January 2018 – August 2018

  Optimized MTCNN using TensorRT v3 to detect faces around 40x40 pixels in 4K videos, and handle over 250 FPS on single V100.

- Camtek // December 2018 – March 2019

  Train CNN models to detect and classify defects and malfunctions from circuit boards photos.

- Totango Inc // June 2018 – December 2019

  Predicting churns, upsells and doing anomaly detections on customers data with Big Data.

- IntellAct // January 2020 – now

  Detecting various airport ramp objects & activities from CCTV cameras using Deep Learning.