

Hi, I am Igor Riabtsov, 36

Email: tinnulion@gmail.com

Telegram: [@tinnulion](https://t.me/tinnulion)

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

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

Tech stack

- ❖ Python, C++ and CUDA
- ❖ PyTorch, TensorRT, ONNX, XGBoost, sklearn, OpenCV, skimage
- ❖ AWS / GCP / Azure, Docker

Background

- ❖ 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 / Personality.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 Personality.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.
- ❖ ML 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 GPU.
- ❖ 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.