

VLADIMIR IASHIN

v-iashin.github.io • vladimir.d.iashin@gmail.com • linkedin.com/in/vladimir-iashin

I am a Ph.D. student at Tampere University (Finland), where I am working on multi-modal neural architectures for video understanding. My interests lie in the intersection of computer vision, sound, and natural language processing.

EDUCATION

Tampere University September, 2018 – Present
Doctorate Student, Computing and Electrical Engineering Tampere, Finland

- Supervised by Prof. [Esa Rahtu](#). Particularly interested in training deep neural networks in a multi-modal setting

Higher School of Economics September, 2016 – June, 2018
Master of Science, Applied Math. and Computer Science Saint Petersburg, Russia

- GPA 9.2/10, top-2. Hosted and led ML Challenges Club. Organized 20+ four-hour meetings on a weekly basis

Higher School of Economics September, 2012 – June, 2016
Bachelor of Science, Economics Saint Petersburg, Russia

- Graduation year rating: 1/100+. Favorite subjects: probability & statistics, econometrics, linear algebra, calculus

PUBLICATIONS

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- V. Iashin & E. Rahtu. A Better Use of Audio-Visual Cues: Dense Video Captioning with Bi-modal Transformer. In *British Machine Vision Conference (BMVC)*, 2020.
Project page, code & presentation: v-iashin.github.io/bmt
 - V. Iashin & E. Rahtu. Multi-modal Dense Video Captioning. In *Workshop on Multimodal Learning (CVPR Workshop)*, 2020.
Project page, code & presentation: v-iashin.github.io/mdvc

INDUSTRY EXPERIENCE

Speech Technology Center (aka SpeechPro) June – August, 2018
Research Intern, R & D Saint Petersburg, Russia

- SpeechPro is a recognized expert in multi-modal biometrics including face and voice recognition
- Experimented with state-of-the-art CNN architectures for face recognition (500K+ people) in PyTorch
- Improved the performance metric in the matured project by 2 %

TECHNICAL STRENGTHS & OTHER SKILLS

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- Python (PyTorch, numpy, sklearn, pandas), remote dev, git, shell, R, [Google Cloud](#) & [AWS](#), fluent in English

SUMMER SCHOOLS & INDEPENDENT LEARNING (MOST CHALLENGING COURSES)

Sept., 2020	Intelligent Sensing Summer School (our team won CORSMAL), cis.eecs.qmul.ac.uk
July, 2019	International Computer Vision Summer School, iplab.dmi.unict.it
May, 2018	CS231n: Convolutional Neural Networks for Visual Recognition, stanford.edu
June, 2017	Open Machine Learning Course, mlcourse.ai (Top-5 out of 200+ participants)

SELECTED FREE-TIME PROJECTS

Video Features Summer, 2020
PyTorch, Python, Video Processing, ffmpeg github.com/v-iashin/video-features

- Provides an easy and flexible API for feature extraction from raw videos allowing multi-GPU acceleration

TAU Vehicle Type Recognition Competition (Kaggle InClass) December, 2019
Deep Learning, Recognition, Supervised, PyTorch, Python github.com/schatt89/VehicleRecognition

- Our team took 3rd place among teams of SGN-41007 course on Pattern Recognition and Machine Learning

Online Object Detector Fall, 2018 – Spring, 2019
Full-stack, PyTorch, Python, Flask, GCP/AWS, HTML, CSS, Ajax v-iashin.github.io/detector

- YOLO object detector as a web application. It will tell you what's on an image you uploaded