

VLADIMIR IASHIN

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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

Doctorate Student, Computing and Electrical Engineering

September, 2018 – Present

Tampere, Finland

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

Higher School of Economics

Master of Science, Applied Math. and Computer Science

September, 2016 – June, 2018

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

Bachelor of Science, Economics

September, 2012 – June, 2016

Saint Petersburg, Russia

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

SELECTED PUBLICATIONS

- 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)

Research Intern, R & D

June – August, 2018

Saint Petersburg, Russia

- 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%
- SpeechPro is a recognized expert in multi-modal biometrics including face and voice recognition

TECHNICAL STRENGTHS & OTHER SKILLS

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

SUMMER SCHOOLS & INDEPENDENT LEARNING (MOST CHALLENGING COURSES)

Sept., 2020	Intelligent Sensing Sum. School (my team won CORSMAL challenge), 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

1st Place in CORSMAL: Multi-modal Fusion and Learning for Robotics

Deep Learning, Audio and Video Processing, Docker, PyTorch

Fall, 2020

github.com/v-iashin/CORSMAL

- Majorly contributed to 2/3 tasks, validation approach, organization of the code, Docker image, & tech report

Video Features

PyTorch, Python, Video Processing, ffmpeg

Summer, 2020 – Present

github.com/v-iashin/video_features

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

Online Object Detector

Full-stack, PyTorch, Python, Flask, GCP/AWS, HTML, CSS, Ajax

Fall, 2018 – Spring, 2019

v-iashin.github.io/detector

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