

# VADIM LIVENTSEV

## Machine Learning Engineer

@ vadim@0x60.ru

📍 Moscow, Russia

🌐 medium.com/@liventsevvadim

🐙 github.com/vadim0x60

## EXPERIENCE

### Associate Scientist

#### Philips Innovation Labs RUS

📅 Feb 2018 – Present

📍 Moscow, Russia

Developing named entity recognition with confidence levels in order to interpret medical records.

### Chief Technology Officer

#### BotEngine

📅 Jun 2017 – Dec 2017

📍 Moscow, Russia

A platform for development and deployment of chatbots.

### Software Development Intern

#### Institute for System Programming of the Russian Academy of Science

📅 Nov 2014 – Aug 2016

📍 Moscow, Russia

Contributing to Modular Avionics System Integrator Workplace and One-Click Eclipse Text Editor.

### Software Development Intern

#### Samsung Research and Development Center

📅 Jul 2016

📍 Moscow, Russia

Developing mobile applications for Tizen OS

## SKILLS

- Deep Learning: ConvNets, RNNs, Attention, GANs. Pytorch and Tensorflow.
- Statistics. Bayesian and Neurobayesian methods
- Natural Language Processing. Information Extraction.
- Efficient algorithms and data structures
- C, C++, C#, Java, Clojure, Python, JavaScript, bash, PHP :(
- x86 architecture: paging, stack, interrupts, assembly language
- Databases: Not-only-SQL
- Project management methodologies. Scrum.
- Russian-English bilingual. Intermediate French. Good command of spoken and written sarcasm

## EDUCATION

### MSc in Data Science

#### Skolkovo Institute of Science and Technology (Skoltech)

📅 Sep 2017 – Present

### Bachelor of Software Engineering

#### Higher School of Economics (HSE)

📅 Sep 2013 – Aug 2017

### Concentration in Programming

#### Lyceum of Information Technologies (LIT)

📅 Sep 2009 – Jun 2013

## PUBLICATIONS

- Opening the Black Box of Deep Neural Networks with More Information ([github.com/vadim0x60/IDNN-Replication-Study](https://github.com/vadim0x60/IDNN-Replication-Study))
- Deep Text Prior: Weakly Supervised Learning for Assertion Classification (submitted to ICANN 2019)

## TEACHING

Developed and taught Skoltech courses:

- Functional Programming with Clojure 2018, 2019
- Introduction to Artificial Humour 2019

Guest lecturer on *seq2seq and attention* for Natural Language Processing 2019 at HSE.

## PROJECTS

### Neurohackathon

Organizing a hackathon on Multiple Sclerosis Detection and mentoring teams

### Perturbation learning for general-purpose text validation

Developing models that validate how grammatical and natural-sounding a sentence is

### Readablee

A chat bot that listens to your voice messages so that you don't have to

### Semantic Search for EVA Network

An organisation that supports women with HIV faced a lot of duplicate questions on their site. Used byte-pair embeddings to autosuggest questions that are semantically close to what the user is about to ask

### AccorEvents

An event management app for hotels that won AccorHotels Budapest Hackathon

### DavaiBot

An app for a group of friends from different cities that suggest the cheapest (airfare-wise) city for them to meet up in

### Neuroneca

A bot that promotes Stoicism on Twitter

### Program for Determining Tactics in Team Sports based on Video Stream

### QCopter

Stabilization and control software for an Arduino-based quadcopter

Studying the behaviour of a robotic swarm in a virtual environment