

# Mikhail Mishin

MACHINE LEARNING · DEEP LEARNING · COMPUTER VISION ENGINEER

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Skilled ML and DL engineer with 2+ years of professional experience of developing software and applying AI methods to real-world challenges across different domains, including CV.

## Experience

### Ericsson Finland

*Helsinki Area, Finland*

MACHINE LEARNING THESIS INTERN

*Sep. 2019 - Present*

- Researching machine learning methods for detecting anomalous traffic in IoT networks.

### Focal Systems

*The San Francisco Bay Area, USA*

DEEP LEARNING ENGINEER

*Mar. 2018 - Feb. 2019*

- Prototyped, implemented, deployed and tested deep learning algorithms for detection and classification of products on grocery store shelves from camera images.
- Tech stack: Python, Keras, Tensorflow, Docker

### Ericsson Finland

*Helsinki Area, Finland*

JUNIOR SOFTWARE DEVELOPER

*Jun. 2017 - Feb. 2018*

- Designed, implemented and tested new features and improved the existing code for Ericsson Security Manager - a solution for automation of security configuration, monitoring and compliance for all ICT domains, including Cloud, Networks and Enterprise.
- Tech stack: Python, Django, Docker, Kubernetes, React.

### TARDIS SN

*Remote*

GOOGLE SUMMER OF CODE STUDENT

*May. 2016 - May. 2016*

- Developed Carsus - a python package for storing and manipulating atomic data. Carsus downloads and parses data from a number of sources, then stores it in an SQLite database and outputs it in various formats.
- Tech stack: Python, Python scientific stack, Pandas, SQLAlchemy and SQLite, Pyparsing, Unit testing.

## Education

### Aalto University

*Helsinki Area, Finland*

M.Sc. IN COMPUTER, COMMUNICATION & INFORMATION SCIENCES

*Sep. 2016 - Present*

- Major: Algorithms, Logic, and Computation
- Minor: Machine Learning and Data Science
- GPA: 4.3

### Bauman Moscow Technical State University

*Moscow, Russia*

B.S. IN COMPUTER SCIENCE AND ENGINEERING

*Sep. 2012 - Jul. 2016*

- Major: Design and Technology of Electronic Equipment
- GPA: 4.7

## Skills

<b>Programming</b>	Python (numpy, pandas, sklearn etc.), C, Software Architecture and Testing
<b>Deep Learning</b>	DL Architectures, Computer Vision, OpenCV, Keras, PyTorch, Tensorflow
<b>Machine Learning</b>	ML Methods and Theory; Developing, Deploying and Debugging ML Pipelines
<b>Back-end</b>	Django, Flask, REST API, Database Design, SQL, NoSQL, MongoDB, PostgreSQL
<b>Front-end</b>	React, JavaScript, HTML
<b>DevOps</b>	Docker, AWS, Google Cloud
<b>Other</b>	Linux, Math, Algorithms, Git, Latex
<b>Languages</b>	English, Russian

## Extracurricular Activity

### Hackathons, Data-Science Competitions

*Earth*

HACKER

- Junction 2016, 2017, 2019; Europe's largest hackathon in Helsinki.
- Kaggle Data Science Competitions

## Volunteering

### VOLUNTEER

- Slush 2016, 2017, 2019; the world's leading startup and tech event in Helsinki.

## Massive Open Online Courses

### STUDENT

- Machine Learning, by Stanford University.
- Automata, by Stanford University.
- VLSI CAD: Logic to Layout, by University of Illinois at Urbana-Champaign.

## Outdoor Enthusiast

### ATHLETE

- Climbing, Mountaineering, Skiing, Kayaking, Surfing, Cycling

Earth

Earth

Earth