Mikhail **Mishin**

DEEP LEARNING ENGINEER · MACHINE LEARNING ENGINEER

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Experienced ML Engineer with a background in Computer Science and 2+ years of professional and academic experience applying ML and DL methods to real-world challenges across different domains, including Computer Vision

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

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