


# Ilia Maksimov

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 Tokyo, Japan

## Skills

### Industry Knowledge

- Deep Learning, Machine Learning, Computer Vision, Data Analysis, Statistics
- Algorithms, OOP, Containers/Virtualization

### Programming Languages

- Python, C++, JS, SQL, HTML

### Tools and Technologies

- Git, Github, Gitlab, AWS, Docker

### Python Libraries

- TensorFlow, PyTorch, Keras, scikit-learn, NumPy, pandas, Seaborn, OpenCV, PyGame

## Education

### Master's degree / Computer Science / Artificial Intelligence

*Arizona State University*

10/2022 – 12/2023

Part-time online study

Coursework: Artificial Intelligence, Statistical Machine Learning, Data Structures and Algorithms etc

### Bachelor's degree / Economics / Applied Maths

*Moscow State University*

07/2012

Coursework: Calculus, Linear Algebra, Statistics, Probability, Game Theory, Econometrics, etc

### Nondegree student / Python programming

*University of Helsinki*

01/2023

3 courses: Introduction and Advanced Course in Python programming, Data Analysis with Python

## Languages

English

Japanese

## Professional Experience

### Marketing Data Analyst

*Service Opt Stroy, Real Estate*

04/2015 – 11/2020

- achieved an increase in revenue per client by 18% and in number of customer contacts by 35% in the first year
- formed data-driven approach with regard to company's decision making process
- introduced statistical analysis, cluster analysis
- collected data regarding customer preferences, demographics, buying habits
- developed criteria for customizing company's offers
- refined customer database and data handling process


## Projects

### Robot Collision Prediction

Neural Network that helps a robot avoid collisions in a simulated environment 

- Preprocessed sensory data for a robotics task
- Designed a neural network architecture in PyTorch
- Trained, refined and verified NN model in simulation
- Achieved prediction accuracy of 99%

### Double Pong Game

Neural Network capable of playing Pong game version with two balls 

- Built a game program and AI upon it
- Trained a human level performance AI with NEAT genetic algorithm

## Internship

### IT Support Consultant

*ITCS Group*

05/2022 – 12/2022 | Tokyo

- Supported operations of the AWS and Azure client services
- participated in the Microsoft 'Olympian Academy' training program
- earned Microsoft Administrator certifications and participated in workshops such as Front End design, Linux and more