Andrii Zadaianchuk

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Education

Universität Tübingen, Germany
M.Sc., Graduate Training Centre of Neural Information Processing, 2016 - 2018
GPA: 1.1/1.0

Moscow Institute of Physics and Technology, MIPT(SU), Russia
B.Sc., Applied Mathematics and Physics, 2012 - 2016
GPA: 4.89/5.0

HSD, Richelieu lyceum, Odessa, Ukraine
In-depth study of mathematics and physics, 2007 - 2012

Projects

Master thesis, Max Planck Institute for Intelligent Systems, Tübingen, Germany
Probabilistic Numerics Group with supervision from Prof. Dr. Philipp Hennig (1.02.2018 - 21.08.2018)
Online Step Size Adaptation for Stochastic Optimization

Bachelor thesis, Dorodnitsyn Computing Centre, RAS, Moscow, Russia
Intellectual Data Analysis Group with supervision from Prof. Dr. Vadim Strijov (1.09.2015 - 31.07.2016)
Choice of optimal neural network architecture for time series classification

Lab rotation, Max Planck Institute for Intelligent Systems, Tübingen, Germany
Probabilistic Numerics Group with supervision from Prof. Dr. Philipp Hennig (25.11.2017 - 12.01.2018)
Probabilistic RPROP

Essay rotation, Center of the Intergrative Neuroscience, Tübingen, Germany
BethgeLab with supervision from Leon Gatys (10.09.2017 - 25.11.2018)
Efficient Architectures for Directed Generative Nets

Employment History

Max Planck Institute for Intelligent Systems, Tübingen, Germany
Autonomus Learning Group (half-year research internship, 1.10.18 - current time)
Project: Scaling of Model-based Reinforcement Learning with Equation Learner

Universität Tübingen, Tübingen, Germany
Center of Neural Information Proccesing (Machine Learning tutor, 1.10.17 - 31.07.18)

Neurobotics, Moscow, Russia
Machine Learning Team (ML researcher, 9.09.2015 - 31.01.2016)
Project: EEG data classification for BCI and NLP with QA application.

Awards

DAAD scholarship
Tübingen, Germany, 2016 - 2018

Academic scholarship for excellence studying and scientific accomplishment
Moscow, Russia, 2015 - 2016

Academic scholarship from Charitable Foundation for the Development of Innovation Education
Moscow, Russia, 2013 - 2015

Skoltech Hack Race
The best solution for optimal tracing problem, Moscow, Russia, 2016

Mathematics and Physics Regional Olympiads (gold medal)
Odessa, Ukraine 2011 and 2012

Ukrainian Young Physicists' Tournament (silver medal)
Chernivtsi, Ukraine, 2011

Computer Skills

Python, TensorFlow, PyTorch, LaTeX, Git
R, MATLAB, C, SQL

Languages

English (C1), German (B1)
Russian, Ukrainian (mother tongues)

Conferences

AI CON 2018
Renningen, Germany (19.11.2018)
Automatic Step Size Adaptation with Proximal Point Algorithms for Stochastic Optimization (poster)

58 MIPT scientific conference
Dolgoprudny, Russia (23.11.2015 - 28.11.2015)
Selection of optimal physical activity classification model using measurements of accelerometer (talk)

Publications

Selection of optimal physical activity classification model using measurements of accelerometer
Information Technologies, 2016, 22(4) : 313-328.
Zadaianchuk A.I., Popova M.C., Strijov V.V.

Online step size adaptation with proximal optimization methods
ICML 2019 (in preparation)
Andrii Zadaianchuk, Lukas Balles, Philipp Hennig