

KASHTANOVA VICTORIYA



ENGINEERING DEGREE OBTAINED FROM ECOLE NATIONALE DES PONTS ET CHAUSSÉES, FRANCE, **MAJOR IN DATA SCIENCE**, AND **MSC** OBTAINED FROM NSU, RUSSIA, **CURRENTLY ENROLLED IN PHD IN DEEP LEARNING APPLIED TO HEALTHCARE**



CONTACTS



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[kvict.github.io](https://github.com/kvict)



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LANGUAGES

● **RUSSIAN** Native speaker

● **FRENCH** C1 (fluent)

● **ENGLISH** B2 (fluent)



SKILLS

● **PROGRAMMING**

Python / C / C ++ / R

● **WORKING KNOWLEDGE**

Pytorch / TensorFlow / Keras /
Pandas / OpenCV / Dlib /
Conda / RStudio / MATLAB



PUBLICATIONS

- > S. Kabanikhin, O. Krivorotko, **V. Kashtanova**. A combined numerical algorithm for reconstructing the mathematical model for tuberculosis transmission with control programs. Journal of Inverse and Ill-posed Problems. <https://doi.org/10.1515/jiip-2017-0019>
- > V Latyshenko, O. Krivorotko, S. Kabanikhin, S. Zhang, **V. Kashtanova**, D. Yermolenko. Identifiability Analysis of Inverse Problems in Biology. CMSAM 2017, DOI 10.12783/tcse/cmsam2017/16435



HOBBIES



EDUCATION



INRIA & UNIVERSITÉ COTE D'AZUR, NICE, FRANCE

2020 – ongoing

PhD project "Learning Cardiac 3D Electromechanical Dynamics with PDE-based Physiological Constraints for Data-Driven Personalized Predictions in Cardiology" under supervision of Maxime Sermesant (Inria, Epione) and Patrick Gallinari (LIP6, MLIA).



ÉCOLE NORMALE SUPÉRIEURE, PARIS, FRANCE

2018 - 2019

Elective courses of MVA: Deep Learning, Reinforcement Learning, Object recognition and computer vision.



ÉCOLE NATIONALE DES PONTS (ENPC), CHAMPS-SUR-MARNE, FRANCE

2017 – 2019

Engineer (Double degree). Engineer of mathematics and informatics. Competences: Mathematics for Business and Start-ups, Statistical learning and application (Big data), Advanced programming techniques, Optimization, etc.



NOVOSIBIRSK STATE UNIVERSITY, NOVOSIBIRSK, RUSSIA

2012 - 2019

Master of Science (with honours) in Data Science. Bachelor's degree (with honours) in Applied mathematics and Informatics.

Competences: Machine Learning, Mathematical Modeling, Numerical methods, Theory of probability, Mathematical Analysis etc.



WORK EXPERIENCE



GE HEALTHCARE, FRANCE

07.2019 - 12.2019

Research Intern in Women's Health Applied Research team.

- > Analyse the state of the art of neural network models (GANs, VAEs etc.) for medical imaging
- > Creation, implementation and improvements a network architecture based on specific features of the bases of existing data
- > Performance evaluation of developed model in quantitative terms



NOVOSIBIRSK STATE UNIVERSITY, RUSSIA

05.2019

Teaching Assistant for course "Reinforcement Learning Introduction" for Big Data Analytics program at Novosibirsk state University ([course page](#)).



RESEARCH PROJECT WITH UBBLE.AI, FRANCE

09.2018 - 02.2019

Student. Solution development for real user authentication against various types of digital fraud, like: high-resolution photos or videos, 3D masks etc.



MM&HPC-BBB-2016, CONFERENCE, RUSSIA

04.2016 - 08.2016

Organizer.

- > Invitation to sponsors and creation of funds
- > Organization of meetings and general support of the conference