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

kvict.github.io

in/victoriya-kashtanova

LANGUAGES

- **RUSSIAN** (Native speaker)
- **FRENCH** (Fluent)
- **ENGLISH** (Fluent)

SKILLS

- **PROGRAMMING**

  Python / C / C ++ / R

- **WORKING KNOWLEDGE**

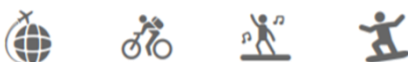 Pytorch / TensorFlow / Keras / Pandas / OpenCV / Dlib / Conda / RStudio / MATLAB

PUBLICATIONS

> **Kashtanova V.,** Pop M., Ayed I., Gallinari P., Sermesant M. "APHYN-EP: Physics-Based Deep Learning Framework to Learn and Forecast Cardiac Electrophysiology Dynamics". **In: Proceedings of STACOM, Lecture Notes in Computer Science,** vol. 13593, Springer, **2022**.

> **Kashtanova V.,** Ayed I., Arrieula A., Potse M., Gallinari P., Sermesant M. "Deep Learning for Model Correction in Cardiac Electrophysiological Imaging". **In: Proceedings of Machine Learning Research (MIDL), 2022.**

HOBBIES

EDUCATION

INRIA & UNIVERSITE COTE D'AZUR, NICE, FRANCE   **2020 – ongoing**

PhD project "Learning Cardiac Electromechanical Dynamics for Data-Driven Personalized Predictions in Cardiology" under supervision of Maxime Sermesant (Epione,Inria) and Patrick Gallinari (MLIA,Sorbonne).

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

CENTRALE MARSEILLE DIGITAL LAB @LAPLATEFORME_, NICE, France   **03.2022 - ongoing**

Teacher of the course "Machine learning"

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 of the 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.