

# Ivan NECHEPURENCO

## PERSONAL DATA

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DATE OF BIRTH: 08.06.1999  
LANGUAGES: English - Intermediate, Russian - native speaker

## WORK EXPERIENCE

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- FALL **BIOCAD**, *biological computer scientist*  
2019 Responsibilities: optimisation on Python, CUDA coding.  
- Current The main task is to implement molecular potential computation and molecular dynamics  
Used technologies: Python, C++, CUDA.
- SUMMER **photo.ai - MIPT project**, *ML-developer*  
2019 Responsibilities: ML-development on Python.  
- Winter 2019 The main task is to develop simple and quality photo filters  
Used technologies: Pytorch, Tensorflon, OpenCV.
- SPRING **Tinkoff bank**, *ML-developer*  
2019 Responsibilities: development of realty valuation models.  
Managed to create models which had better performance than known solutions and create new tools for analitics.  
Used technologies: Sklearn, XgBoost, Lightgbm, Catboost

## EDUCATION

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2016 - CURRENT Fourth year bachelor, **Moscow Institute of Physics and Technology**  
Department of Innovation and High Technology

## PROJECTS

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SPRING 2019 **Heart sounds analyser**, [Code is private]  
Used scipy and some bioinformatical libraries to create model for heart diseases detection from EKG and measurements from portable device.

## COMPUTER SKILLS

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Basic Knowledge: LINUX, ubuntu, Latex, HTML, django, R, assembly, Java, Haskell

Intermediate Knowledge: GIT, Machine Learning, Python, Statistics, Pytorch, Tensorflow, C++, distributed systems

## INTERESTS AND ACTIVITIES

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- Bioinformatics
- Functional programming