

Ekaterina (Kate) Klementeva

Github: [KatyaKlema](#)

Email : katyaklema@gmail.com

Mobile : +44 07565 862228

EDUCATION

• Moscow Institute of Physics and Technology (MIPT)

Moscow, Russia

• *B.S. in Computer Science*

Sep. 2017 - Jun. 2021

EXPERIENCE

Facebook

London, UK

• *Software Engineer Intern, Shops Ads team*

Jul. 2021 - Oct. 2021

JavaScript React Hack

MTC

Moscow, Russia

• *Full Stack Developer, Development team*

Jan. 2021 - Jul. 2021

TypeScript JavaScript Node.js React Redux AWS MongoDB

- Full backend and frontend development of the b2b platform for the administration of sport gyms by managers.
- Backend development for the b2c phone application for booking workouts at gyms.
- Development full documentation for the backend API.

Huawei

Moscow, Russia

• *Software Engineer, R&D team*

Oct. 2019 - Jan. 2021

C++ Python Matlab PyTorch Windows API SIMD Programming

- Developed and improved the system flows dispatching, developed the CPU-GPU high performance computing module, parallelized systems and modules from signal processing framework.
- Wrote the framework for special binary formatting of signal data.
- Developed optimization algorithms for neural networks for signal processing in the team with renowned scientists such as Alexander Gasnikov and Yurii Nesterov.
- Creating a full-fledged python API to the internal framework written in C++ for solving special signal processing tasks.

Huawei

Moscow, Russia

• *Software Engineer Intern, R&D team*

Jul. 2019 - Oct. 2019

Python C++ Matlab Tensorflow

- Developed a module for tensorflow using C++ for linearizing specific complex radio engineering signals.
- Result: Written in C++ for tensorflow, the module works 20% faster and 11% more optimally in memory compared to the classic tensorflow tools. This helped to solve specialized tasks for radio signals more optimally.

Competentum - EPAM family

Moscow, Russia

• *Junior Analyst, Analyst team*

Sep. 2018 - Jan. 2019

JavaScript CSS HTML

- Performed data analysis, analytical researching, requirements validation, requirements analysis, prototyping of interfaces, platform testing, functional testing of the Pearson Education platform, wrote reports.
- Result: Optimization of team work, better verification of requirements, the platform for online learning has been successfully implemented for the public.

Competentum - EPAM family

Moscow, Russia

• *Intern, R&D team*

Jul. 2018 - Aug. 2018

Python Tensorflow Beautiful Soup JavaScript HTML CSS

- Implemented a special application which allows to teachers to generate a certain number of tasks from one sample task given for their students (concerning the E-Learning sphere).
- Result: The system was implemented and successfully integrated into the tutoring workflow.

PROJECTS

• Personal website KateKlem

Moscow, Russia

JavaScript React Node.js Heroku

Developed own website with personal information

ACHIEVEMENTS

Winner of The Russian Mathematics Olympiads.

PROGRAMMING SKILLS

- **Languages:** Python, TypeScript, JavaScript, Java, Kotlin, C/C++, Matlab.
- **Technologies:** React, Redux, Node.js, MongoDB, AWS, SQL, Django, Jest, Git, \LaTeX , Docker, Tensorflow, PyTorch, HTML/CSS
- **Knowledge:** Algorithms, Data Structures, Concurrent Computing, Distributed Systems.