# Semyon Zhuvertsev

Bachelor Student in Computer Science

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## Education

**ITMO University (Bachelor in Computer Science)**                    *Saint-Petersburg, Russia*

Relevant coursework:                                                 *Sep. 2018 — Jun. 2022*

Algorithms and data structure, Mathematical analysis, Probability theory,
Linear algebra, Machine learning, Parallel programming

## Experience

**Yandex**                                                           *Moscow, Russia*

Machine Learning Intern-Engineer                                     *June 2021 - September 2021*

- Developed and improve a feature that highlights a relevant fragment in a video on query for Yandex search engine. Using BERT model for scoring query and text snippets by text from speech. Main tasks were improve BERT's scores and data processing.

## Skills

**Languages**    Python, Java, C++, JavaScript, Bash, SQL
**Technologies**    Git, Linux, Pytorch, Tensorflow
**Additionally**    Knowledge of algorithms and data structures, Solid acquaintance with OOP,

Machine Learning algorithms, Deep Learning

## Projects

**Importance of code representations for ML4SE**                     ⌂ *Fraks51/ICLR20-Great*

JetBrains                                                            *Oct. 2021 - Present*

- The source code was taken from the repository that implements GREAT and other global relational models. On this code base compares various methods of code representations: fullword, **BPE** and **ULM** tokenization.

**AutoClustering**                                                   ⌂ *Fraks51/AutoClustering_spark*

ITMO University                                                      *April 2019 - June 2019*

- Working on **AutoML framework for clustering framework on Apache Spark**. Developed such metrics as **Calinski-Harabasz** and **Davies–Bouldin** indices on Spark for framework.

**LZ Compressor**                                                    ⌂ *Fraks51/Compressor*

Huawei                                                               *April 2019 - June 2019*

- Application used **Lz77 compress algorithm** with speed acceleration on **C++**. The project used the **suffix array** for fast search similar strings

## Awards

**Advanced University Scholarship for academic achievements**        *Saint Petersburg, Russia*

ITMO University, was awarded a scholarship by Huawei for academic success.              *2020*

**Russian National Student Competition "Higher standard" held by HSE**    *Moscow, Russia*

Mathematics, Prize-Winner of 4742 participants                       *2018*

**Russian National Student Competition "Robofest" held by MSU**      *Moscow, Russia*

Physics, Prize-Winner of 1300 teams                                  *2018*