# Evgeny **Bessonnitsyn**

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## Education

### National Research ITMO University

*2020 - now*

Bachelor of Science in **Applied Mathematics and Computer Science** *Saint Petersburg, Russia*

Information Technologies and Programming Faculty, **Computer Technologies** Department

- **Relevant coursework:** Algorithms and Data Structures, Discrete Math, Java, C++, Kotlin, Python

## Projects

### Wikipedia Statistics

Parser

- Developed a multi-threaded program to calculate various statistics about Russian Wikipedia articles on **Kotlin**
- Implemented parallel work both within files and multiple pages within single file

### Talk

Chat system

- Developed a simple chat system on **Kotlin**
- Made using Ktor, implemented user registry service and client application

### Makrobot DSL

DSL aplication

- Written **Kotlin** implementation of a child robot
- Demonstrated how Kotlin can work with dsl

### Expression generic parser

Parser

- Wrote a **Java** application for parsing and evaluating mathematical expressions
- Made using OOP principles to reduce repetitive parts of code
- Implemented polymorphism to be able to use different data types

### Viterbi Algorithm

Coder-Decoder

- Developed a **C++** application for block code encoding and decoding
- Made on the basis of the Viterbi algorithm
- Implemented a quick reduction of the matrix to the minimal span form

## Achievements

### Personal

**Winner (500+ participants, top 20%),** All-Siberian Programming Olympiad *April 2020*

**Winner (1000+ participants, top 15%),** Olympiad of St. Petersburg State University in Programming *March 2020*

**Winner (500+ participants, top 10%) ,** Moscow Programming Olympiad *January 2018*

### Team

**Winner (1000+ teams, top 20%),** All-Russian team programming Olympiad *November 2020*

**Winner (1000+ teams, top 20%),** All-Russian team programming Olympiad *November 2019*

## Skills

**Programming Languages** Kotlin, Java (experienced); C++, Python (familiar)

**Frameworks & Tools** Spring, Actor, Dao, Aop, Bash, Git/GitHub, Jupyter Notebook, NumPy, matplotlib