

# Maksim Zykin

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## EDUCATION

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- **Higher School of Economics** Moscow, Russia  
*Specialist in Mathematics* 2021 - ...  
*Courses: Data Analysis, Machine Learning, Matrix Analysis, Higher Algebra*

## SKILLS SUMMARY

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- **Languages:** Java, C++, Python, C, SQL, Unix scripting, Rust, CPLEX
- **Tools:** Kubernetes, Docker, GIT, Wolfram Mathematica, Matlab, CPLEX Optimizer, Unix Shell

## EXPERIENCE

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- **IPG Systems** Moscow, Russia  
*Mathematician* June 2022 - Current
  - **Combinatorial optimizer of scheduling algorithm** : Optimizing scheduling algorithms and writing from scratch on Java and with the help of IBM CPLEX for KHL Hockey games' schedule.
  - **Airport system optimization:** Used and upgraded several algorithms for departure/arrival schedule optimization for Uzbek's airports.
- **Higher School of Economics** Moscow, Russia  
*Research Assistant - graduate student Olga Rogacheva* July 2022 - Current
  - **Random Bit Generation Problem Researcher:** Using different approaches to analyze the randomness of algorithms we are working on determining the most useful bit generating technique.
- **PR Education** Moscow Russia  
*Software Developer* April 2022 - July 2022
  - **Desktop Videoplayer App:**
    - Developed the video player with face and emotion recognition.
    - Created metrics which help to determine whether the user is paying attention to the video or not.

## HONORS AND AWARDS

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- Ranked second among batch of 76 students in my University Branch.