

# Ivan Baksheev

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## EDUCATION

**Informatics and Computer Engineering**  
NOVOSIBIRSK STATE UNIVERSITY

Novosibirsk, Russia | June 2023

## WORK EXPERIENCE

**JETBRAINS** | SOFTWARE DEVELOPER

Novosibirsk, Russia | Sept. 2021 – To date

- Implemented a fully featured web application for internal usage using **TypeScript**, **React**, **styled-components** for UI and **Protobuf** and **gRPC** to get and mutate server data
- Added various integrations with company subsystems using **JWT**, **OAuth2**
- Well tested application using **Cypress**
- Read some Scala code to find and fix some legacy bugs, wrote some scripts by myself
- Worked a lot with **IntelliJ IDEA**, **WebStorm**, **YouTrack**, **TeamCity**, **Space** and it's automation module, **MySQL**, **AWS ECS**, **AWS S3**, **Elasticsearch**
- Created a simple web application to give users possibility to compare some entities for ML (like Yandex.Toloka), used **FastAPI** as backend, it helped ML team to get a more precise model

**JETBRAINS** | INTERN

Remotely | July 2021 – Aug. 2021

- Started to work on the web application discussed above using **JavaScript**, **React**, **CSS**

## PROJECTS

**MINDTRAINER** [mindtrainer.ru](https://mindtrainer.ru)

RUBY ON RAILS, JS, PHP, PYTHON

- A website for high school and university students to have fun and train by solving small math-related tasks
- All tasks are **procedurally** generated and are based on various mathematical concepts such as **graph theory**, **symmetry**, **optimization theory** and **topology**
- Uses a special system to let students develop and integrate their own task generators into MindTrainer in any programming language
- Was funded under the **presidential grants program**, was used by many schools across Russia

**YAHTZEE ONLINE** [zpix1.github.io/yahtzee](https://zpix1.github.io/yahtzee)

VUE.JS, NODE.JS, SOCKET.IO

- **Classic dice poker**
- Users can play remotely, it's enough to share session key
- Local PvP and PvE modes are implemented

**YOUTUBE ANTI TRANSLATE** [github.com/zpix1/yt-anti-translate](https://github.com/zpix1/yt-anti-translate)

JS

- A chrome extension to disable youtube video titles translation
- **2000+ active users**

**PECHATAY** [zpix1.github.io/pechatay](https://zpix1.github.io/pechatay)

VUE.JS, NODE.JS, SOCKET.IO

- Yet another typing trainer
- Nice design, **multi-user** online mode, some self-developed training methods

I have other projects and more information on existing ones on my personal page: [zpix1.github.io/about-me](https://zpix1.github.io/about-me)

## SKILLS

- **Languages:** English, French, and also **JS/TS**, **Java**, **C/C++**, **Python**, **SQL**
- **Technologies:** React, styled-components, JetBrains IDEs, Git, GitHub Actions, Docker, docker-compose, Elastic,  $\text{\LaTeX}$ , numpy, MySQL, Linux, bash, gdb