

# Timothy Shumilov

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## EDUCATION

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### Higher School of Economics

*BA in Applied Mathematics and Informatics*

GPA: 7.15

Average: 7.19

**Moscow, Russia**

*Expected Graduation: June 2026*

## PROJECTS

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### AI-module for note-taking app

*October 2024 - present time*

I am working on an AI module for a note-taking app. This module includes an AI assistant with RAG, a semantic search engine, a prompt recommendation system, and a notes tag recommendation system.

### Statistical tests implementation

I have implemented and applied statistical tests, including the Z-test, t-test, Mann-Whitney test, and Chi-square test, to real data.

### Gradient boosting implementation

I have implemented a gradient boosting algorithm with quantization, bootstrap, and pruning methods.

## SKILLS

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**Programming** Python, SQL

**Technologies** docker, git, bash

**ML tools** sklearn, pytorch, optuna, numpy, pandas, matplotlib, LangChain

**Languages** English (B2), Russian (native)