

# KIRILL SKOBELEV

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## EDUCATION

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### New Economic School & Higher School of Economics

B.A. in Economics, *summa cum laude*, GPA: 9.38/10.0)

Moscow, Russia

Sep. 2020 – June 2024

## RESEARCH EXPERIENCE

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### University of Chicago, Center for Applied AI

Research Professional

Chicago, US

Aug. 2024 – Present

- (ongoing) RA to Prof. X.Y. Han: Developing video transformer models with RLHF to explore real-time feedback for neurosurgery training and education; training diffusion models to generate synthetic surgical videos.
- (ongoing) RA to Prof. Rimmy Tomy: Using large language models to study how U.S. financial regulators' language on climate-related risks may extend into implicit policymaking. Preprint forthcoming. [paper, co-author]
- (ongoing) w/ Eric Fithian. Co-authored DELM: a Python Toolkit for Data Extraction with Language Models. Flexible and scalable pipelines for processing unstructured data, evaluation, and model alignment. [paper, co-author] [code]
- RA to Prof. Kilian Huber: Extracted commodity price expectations from over 400,000 investor call transcripts, achieving 90% precision against human labels. Designed a token-efficient method for compressing few-shot examples. [paper] [code]
- RA to Daniel Albohn and Prof. Alex Todorov: Compiled and cleaned a dataset of over 2,500,000 images of food items. Trained a StyleGAN model to generate synthetic images of food items to study social perceptions of food.
- RA to Prof. Sanjog Misra and Prof. Max Farrell: Co-developed a replication package for parameter inference in economic models, using neural networks as parameters within structural frameworks. [paper] [code]

### Stanford Graduate School of Business (contractor through Stratedec, LLC)

Research Assistant to Prof. Ilya Strebulaev

Remote

Mar. 2022 – June 2023

- Researched differences between unicorns and other startups and drafted over 70 research summaries and infographics that reached an average LinkedIn readership of 125,000.
- Implemented a system for assigning tasks and measuring progress of 5 research assistants.

## RESEARCH PAPERS

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Eric Fithian and Skobelev, Kirill. *DELM: a Python toolkit for Data Extraction with Language Models*. 2025. [paper] [code]

Skobelev, Kirill and Rimmy E. Tomy. *Bank Regulators and Climate Action: Evidence from Supervisory Guidance*. 2025. Preprint forthcoming.

Skobelev, Kirill. *Statistical Learning Meets Analyst Forecasts of Corporate Earnings*. 2024. Undergraduate thesis. [paper]

Skobelev, Kirill. *Bitcoin Production Cost: Demystifying the Mining Industry*. 2021. [paper]

## INDUSTRY EXPERIENCE

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### PLATA

Data Scientist at Credit Portfolios

Mexico City, Mexico

Nov. 2023 – June 2024

- Built and integrated ML forecasts into a customer-level NPV model for portfolio decisions.

## HONORS AND AWARDS

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Graduated summa cum laude	2024
Fellow of Lev Lyubimov scholarship for outstanding academic achievement	2022
Winner of the Student Research Paper Competition held by the HSE University	2021
Fellow of LaToken Decentralized Finance scholarship	2021
Winner of the final stage of the All-Russian School Olympiad in Economics [1 in 2,000]	2020
Graduated with highest honors from EMSCH school at Lomonosov Moscow State University	2020

## VOLUNTEERING

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Undergraduate thesis defense committee member (AI+Economics), New Economic School	2025
Member of the jury for the Moscow School Competition in Economics	2022
Authored tasks for the regional stage of the All-Russian School Olympiad in Economics	2021

## SKILLS

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**Coding:** Python (pandas, numpy, torch, xgboost, transformers, optuna, sklearn, openai, bs4), git, SQL, R (tidyverse), slurm, AWS.

**Languages:** English (fluent), Russian (fluent), Spanish (conversational).