

# Boris Khesin

<https://www.linkedin.com/in/boris-khesin/>

Email : boris@khesin.net

Mobile : (641) 510-7489

## EDUCATION

---

- **Grinnell College** Grinnell, Iowa  
*BA in Economics & Computer Science; GPA: 3.78* *August 2024 – Present*
  - **Debate Leader, Grinnell College Debate Union (Fall 2025 – Present):** Direct weekly meetings, organize travel and resources, and mentor members on argumentation and debate strategy.
  - **Second Place, Pioneer Weekend Entrepreneurial Contest:** Led team in designing a college vending machine system with ROI projections and data analytics; earned second place and personal recognition from Grinnell College President Anne Harris.
- **Moscow State School 57** Moscow, Russia  
*Mathematics & Computer Science track; GPA: 4.0* *September 2020 – June 2024*

## RESEARCH

---

- **State Corporate Income Taxes and New Business Formation in the United States** 2026  
*Course research paper (with B. Pilling), Grinnell College*
  - **Overview:** Econometric study of whether top marginal state corporate income tax rates deter new firm entry, using a balanced state-year panel (51 jurisdictions, 2004–2020; 867 observations) built from Census Business Formation Statistics, Tax Foundation rate series, and BEA regional accounts. Estimated pooled OLS, two-way fixed-effects, and 2SLS specifications with state-clustered standard errors; the negative cross-sectional association does not survive fixed-effects or IV identification.
  - **Contribution:** Wrote the majority of the Stata code, specified the 2SLS model and instrumental-variable design (regional-average tax rates as instrument), and proposed the one-year-lead placebo robustness check.
- **Economic, Demographic, and Policy Factors in COVID-19 Mortality Across Countries** December 2025  
*Course research paper (with B. Pilling and J. Pada), Grinnell College*
  - **Overview:** Cross-national analysis of COVID-19 deaths per capita and per case across 150 countries using Jiangsu University, CIA World Factbook, and World Bank data. Fit univariable and multivariable linear regressions in R with nested-model F-tests, log transformations, and residual diagnostics; identified HDI as the strongest predictor of deaths per capita and population density of deaths per case, with an institutional/measurement interpretation of both associations.

## WORK EXPERIENCE

---

- **Watson-Forsberg/Topcon Consulting** Minneapolis, Minnesota  
*IT Services Intern* *June 2026 – Present*
  - **IT Support:** Provide first-line technology support for office and construction staff, troubleshooting user issues across Unanet, Procure, and Microsoft Entra, including account access and identity management.
  - **Software Development:** Built a custom internal event-planning app in Django, synchronized with Unanet, Procure, and Microsoft systems and featuring budget projections, after gathering requirements directly from end users.
- **Grinnell College Economics Department** Grinnell, Iowa  
*Teaching Assistant, International Economics (ECN-233)* *January 2026 – May 2026*
  - **Economics Instruction:** Guided 20+ students through trade theory, international finance, and economic policy; led weekly review sessions analyzing exchange rates, trade agreements, and globalization with real-world data, and gave analytical feedback on quantitative problem sets.
- **Grinnell College Statistics Department** Grinnell, Iowa  
*Teaching Assistant, Applied Statistics (STA-209)* *January 2026 – May 2026*
  - **Quantitative Methods:** Supported instruction in statistical methods using R and Excel; led sessions on regression, hypothesis testing, and probability, translating technical concepts for students across a range of quantitative backgrounds.

- **Grinnell College Computer Science Department** Grinnell, Iowa  
*Grader, Functional Programming (CSC-151)* *September 2025 – December 2025*
  - **Evaluation & Feedback:** Evaluated assignments and exams with clear written feedback on code and algorithms; managed grading workflows and spreadsheets independently to consistent weekly deadlines.
- **Grinnell College Swimming Team** Grinnell, Iowa  
*Event Worker* *December 2024 – May 2025*
  - **Lane Timer:** Recorded backup times at competitive swim meets, including official NCAA events, using digital stopwatches and timing buttons; verified participant details and documented race results to support fair competition and official scoring.
- **Yandex - A Global Technology Company** Moscow, Russia  
*Mentor/Tutor, Yandex Academy* *December 2023 – August 2024*
  - **Technical Mentoring:** Guided students in C++ and Python in small groups and one-on-one, reinforced core programming concepts, and supported students' Django projects through code review and step-by-step instruction.
- **Tinkoff Bank - One of the World's Largest Digital Banks** Moscow, Russia  
*Product Manager Intern* *April 2024*
  - **Central University App:** Co-led development team; designed React.js app with Q&A platform and gamification for engagement. Created Figma prototypes and user flows and managed work in agile sprints via Trello.

## PROJECTS

---

- **Event Planner:** Developed an internal app for the Watson-Forsberg construction firm using the Django framework; features included synchronization with Unanet, Procure, and Microsoft corporate systems, budget projections, and Google Maps integration.
- **Tarot App:** Built iOS app for AI-powered tarot readings in Swift and SwiftUI; integrated LLM-generated interpretations for multiple card spreads and designed the interface to Apple Human Interface Guidelines.
- **Non-Human Vision:** As part of a team, created a VR/XR simulation of non-human animal visual systems in Unity and C#, writing custom shaders to replicate species-specific color perception and fields of view.

## SKILLS

---

- **Quantitative & Analytical:** R, Stata, Python (pandas, NumPy), Excel; regression, hypothesis testing, econometric analysis (panel data, fixed effects, instrumental variables), data cleaning and visualization
- **Programming Languages:** Python, C++, Swift, R, SQL, JavaScript, HTML/CSS, Scheme/Racket
- **Frameworks & Tools:** Django, React.js, SwiftUI, Unity (C#); Git, LaTeX, Figma, Trello; Unanet, Procure, Microsoft Entra
- **Languages:** English (fluent), Russian (native)

## CERTIFICATIONS

---

- **Yandex Academy** Moscow, Russia  
*Django* *September 2023 – December 2023*
  - **Django Intensives:** Completed 12-week program on Django; presented top-scoring final project web application using Python, SQL databases, Django, HTML, and CSS.
- **Centre for Teaching Excellence** Svatovo, Russia  
*AI and Competitive Programming* *June 2023*
  - **Programming Experience:** Built ML systems including custom transformers and GPT-3 fine-tuning; trained in competitive programming topics including automata, MST, dynamic programming, graphs, strings, and segment trees.