

Nicholas Emery-Xu

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EDUCATION

UCLA , Los Angeles, CA Ph.D. student in economics Completed <i>field examinations</i> in macroeconomics, econometrics	2020-Present
UCLA , Los Angeles, CA Ph.D. student in political science M.S. student in statistics Completed <i>field examinations</i> in comparative politics, international relations	2019-2021
University of Pennsylvania , Philadelphia, PA B.A. in economics, Russian (<i>summa cum laude</i> with distinction in Russian) Minor: Mathematics	2014-2018
Herzen University , St. Petersburg, RU Certificate in Russian language	2017

RESEARCH AFFILIATIONS

MIT FutureTech Affiliated researcher	2021-Present
Global Priorities Institute Global Priorities Fellow	2022-Present
Research in Effective Altruism and Political Science Co-founder	2022-Present

RESEARCH

Working Papers

Thompson, Neil, Tamay Besiroglu, Nicholas Emery-Xu, and Jayson Lynch. 2023. "Semiconductors after Moore's Law: The Economic Benefits of Beyond-CMOS Technology Investments."

Besiroglu, Tamay¹, Nicholas Emery-Xu¹, and Neil Thompson. 2022. "Economic Impacts of AI-augmented R&D." <https://arxiv.org/abs/2212.08198>. *Under review*.

Emery-Xu, Nicholas, Andrew Park, and Robert Trager. 2022. "Uncertainty, information, and risk in international technology races." *Revise and resubmit at* Journal of Conflict Resolution.

Emery-Xu, Nicholas and Mitchell Orenstein. 2022. "Why Slow Reformers Grow Fast: Revising the Determinants of Growth in Transition Economies."

Trager, Robert, Paolo Bova, Nicholas Emery-Xu, Eoghan Stafford, and Allan Dafoe. 2022. "Welfare Implications of Safety-Performance Tradeoffs in AI Safety Research."

- Web application for numeric simulations: <https://spt.modelingcooperation.com/>.

Data Sets

¹Co-first author.

Emery-Xu, Nicholas, Kristen Ghodsee and Mitchell A. Orenstein. 2021. "Taking Stock of Shock Database." University of Pennsylvania. <https://www.socialimpactsoftransition.com/>.
- Panel dataset on 29 transition countries in Eastern Europe and Central Asia compiling economic, demographic, and public opinion indicators from 1989 to 2019.

Other

Emery-Xu, Nicholas. "Media as the Fourth Estate: The Influence of Press Freedom on Corruption Perception in Russia Under Putin." Honors Thesis, University of Pennsylvania, 2018.
Emery-Xu, Nicholas. "How Tutors Assess Tutee Knowledge" in *For Tutors, By Tutors: A Collection of Tutoring-Based Literature Reviews*, University of Pennsylvania, 2015.

ADDITIONAL RESEARCH EXPERIENCE

Research Assistant for Robert Trager (UCLA) 2020-2021

Stafford, Eoghan, Robert Trager, and Allan Dafoe. "International Strategic Dynamics of Risky Technology Races." In progress.

Research Assistant for Mitchell A. Orenstein (University of Pennsylvania) 2016-2020

Orenstein, Mitchell A., and Kristen Ghodsee. *Taking Stock of Shock*. Oxford: Oxford University Press, 2021.

Orenstein, Mitchell A. *The Lands in Between: Russia vs. the West and the New Politics of Hybrid War*. Oxford: Oxford University Press, 2018.

Appel, Hilary and Mitchell A. Orenstein. *From Triumph to Crisis: Neoliberal Economic Reform in Post-communist Countries*. Cambridge: Cambridge University Press, 2018.

Research Assistant for Philip Trammell (Oxford University) 2019

Trammell, Philip and Anton Korinek. "The Economics of Transformative AI." In progress.

Research Assistant for Julia Gray (University of Pennsylvania) 2015

Data collection and analysis of media reports on international economic organizations.

CONFERENCE PRESENTATIONS

APSA (2022) (Presenter: "Why Slow Reformers Grow Fast")

"Politics of Emerging Technology Mini-Conference" (2022) (Presenter: "Uncertainty, information, and risk in international technology races")

Great Power Competition in the 21st Century (2022) (Presenter: "Information Hazards in Races for Advanced Artificial Intelligence")

APSA (2021) (Presenter: "Information Hazards in Races for Advanced Artificial Intelligence")

Stanford Existential Risks Initiative (2021) (Poster session: "Information hazards in risky technology races")

SPSA (2021) (Presenter: "Why Slow Reformers Grow Fast", Discussant)

WPSA (2020) (Presenter: "Why Slow Reformers Grow Fast")

INVITED PRESENTATIONS

“Information Hazards in Races for Advanced Artificial Intelligence.” Presentation at the Works in Progress series at the Centre for the Governance of AI, Oxford, UK, September 2021.

“Estimating a Production Function for Artificial Intelligence.” Presentation at the Future of Humanity Institute, Oxford, UK, August 2020.

“Examining Public Opinion on Transition.” Presentation at the University of Pennsylvania, Philadelphia, PA, November 2019.

“Media as the Fourth Estate: The Influence of Press Freedom on Corruption Perception in Russia under Putin.” Paper presented at the University of Pennsylvania Slavic Bazaar, Philadelphia, PA, April 2018.

GRANTS AND FELLOWSHIPS

External

Oxford University Global Priorities Fellowship (2023): £5,000

Open Philanthropy Project Early Career Funding for Improving the Long-Term Future (2023): \$51,000

APSA Travel Grant (2022): \$150

Centre for Effective Altruism Effective Altruism Funds: to hold panels on effective altruism and political science (with Mahendra Prasad and Caroline Jeanmaire) (2022): \$16,487

Global Priorities Institute Global Priorities Fellowship (2022): £5,000

Open Philanthropy Project Early Career Funding for Improving the Long-Term Future (2022): \$51,000

External

APSA Travel Grant (2021): \$300

NSF Graduate Research Fellowship Program (2021): Honorable Mention

Open Philanthropy Project Early Career Funding for Improving the Long-Term Future (2021): \$48,000

Future of Humanity Institute grant for cloud storage (with Jacob Carlson) (2020): \$250

Future of Humanity Institute Summer Research Fellowship (2020): £750

Internal

UCLA Graduate Summer Research Mentorship (2021): \$6,000

UCLA Graduate Research Mentorship (2020): \$20,000 + tuition and fees

UCLA Graduate Summer Research Mentorship (2020): \$6,000

UCLA first year fellowship (2019): \$27,500 + tuition and fees

HONORS AND AWARDS

Sigma Xi Scientific Research Honor Society nomination (2021)

University of Pennsylvania Dean’s List (2014-15, 2015-16, 2017-18)

TEACHING EXPERIENCE

Fellowship Mentor Arete Fellowship, Effective Altruism at UCLA (Summer 2020, Fall 2020, Winter 2021)
Led groups of 3-4 fellows in discussion groups on foundational ideas in effective altruism.

Peer Writing Tutor Marks Family Writing Center, University of Pennsylvania (Fall 2015, Spring 2016, Fall 2016)

Provided peer tutoring for 6 students per week on all aspects of the writing process.

RELEVANT WORK EXPERIENCE

Summer Research Fellow at the Stanford Existential Risk Initiative 2021
Worked on an independent research project using a game theoretic approach to model the role of information on the risk from arms races for advanced technology.

Summer Research Fellow at the Future of Humanity Institute 2020

Began an independent research project on measuring an AI production function and learned more about fruitful research in the longtermist space.

Research Intern at Foreign Policy Research Institute 2016-2018

Assisted with research queries, citations, and creating graphics for *From Triumph to Crisis: Neoliberal Economic Reform in Postcommunist Countries* and *The Lands in Between: Russia vs. the West and the New Politics of Hybrid War*. Helped plan weekly speaker and book talk events.

Volunteer at Central City Children’s Library “Pushkin” in St. Petersburg, RU 2017

Volunteered weekly to assist with literature, poetry, and cultural events and English tutoring for schoolchildren. All work conducted in Russian.

PROFESSIONAL MEMBERSHIPS

Southern Political Science Association (2020-2021)

American Political Science Association (2021-2023)

REVIEWER FOR

Southern California Graduate Conference in Applied Economics 2022

LANGUAGES

Natural: English (native), Russian (professional working proficiency)

Programming: R (`dplyr`, `tidyverse`, `ggplot2`, `regex`), MATLAB, L^AT_EX