

Samuel E. Ross

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EDUCATION

- **Haverford College** Haverford, PA
B.S. in Mathematics & Economics; GPA: 3.98; Major GPAs: 4.0 *Aug 2021 – May 2025*
 - **Selected Coursework:** Abstract Algebra, Advanced Econometrics, Complex Analysis, Functional Analysis, Graduate Microeconomics I (UPenn), Machine Learning, Macroeconomics, Measure Theory, Real Analysis
 - **Athletics:** Varsity Cricket (Batsman, Team Manager)
 - **Thesis:** “Central Bank Credibility and Exchange Rates: The Role of Financial Intermediaries” (In progress)

EXPERIENCE

- **Harvard University, Department of Economics** Remote
Research Assistant for Professor Kenneth S. Rogoff *Aug 2023 – Present*
 - **Global Role of the Dollar Book:** Gathered research for a forthcoming book about dollar dominance. Built charts illustrating international macro trends using data from LSEG Refinitiv, IMF, World Bank, etc.
- **Federal Reserve Bank of New York** New York, NY
Summer Analyst, Macroeconomic and Monetary Studies, DSGE *Jun 2024 – Aug 2024*
 - **HANK Solution Software:** Wrote a Julia package that implements the Sequence-space Jacobian method of Auclert et al. (2021) to efficiently solve Heterogeneous-agent New Keynesian (HANK) DSGE models. Software facilitates analysis of the distributional consequences of monetary and fiscal policy for research and internal Bank reports.
- **Federal Reserve Board of Governors** Washington, DC
Year-round Intern, Stress Testing Research *Jun 2023 – Jan 2024*
 - **Corporate Debt Paper:** Currently co-authoring a journal article about the transmission of monetary policy through the corporate loan market. Merged, cleaned, and analyzed several large regulatory datasets (SNC, Y-14Q, Y-9C) using SQL, Stata, and Python. Retained part-time during the academic year to continue this work.
 - **CECL Impact Project:** Used synthetic controls to study the impact of the CECL accounting standard on bank lending and net allowances, extending a FEDS Note (Loudis et al., 2021).
- **Haverford College, Department of Economics** Haverford, PA
Research Assistant for Professor Carola Binder *Mar 2022 – Aug 2022*
 - **Price Controls Book:** Gathered primary sources and wrote passages for a book about historical price controls in the United States (*Shock Values*, University of Chicago Press, 2024).
 - **Magazine Review:** Wrote a review of *Can't we just print more money?* (Patel, Meaning, and Bank of England, Cornerstone Press, 2022) that was published in *Central Banking* magazine with my supervisor and a colleague.

ACTIVITIES

- **Haverford Economics Club** Haverford, PA
Founder & Co-Head *Oct 2021 – Present*
 - **Covid Reopening Extension:** Led a team extending Chetty et al. (2023). Built a Python web scraper to crawl *New York Times* archives for data on states' Covid reopening timelines, then used synthetic controls to evaluate the impact of different sectors' reopenings on employment, spending, and business activity. Presented at a joint University of Göttingen–Institute for New Economic Thinking (Young Scholars Initiative) webinar in November 2022.
- **Haverford Problem Solving Group (Math Club)** Haverford, PA
Founder & Co-Head *Aug 2021 – Present*
 - **Competition Math Events:** Host weekly competitive mathematics training events. Led Haverford to top-20 national placement in the 2021 and 2022 Putnam exams.

SKILLS SUMMARY

- **Awards:** The Michael M. Weinstein Prize in Economics (HC, 2024), Class of 1896 Prize in Mathematics (HC, 2023)
- **Programming:** Java, Julia, L^AT_EX, Mathematica, MATLAB, Python (TensorFlow, Keras, sklearn), R, Stata, SQL
- **Tools:** Git, LSEG Refinitiv, Microsoft Office (Excel, PowerPoint, Word), Tableau, Unix, Vim, Zotero
- **Languages:** English (Native), French (Proficient)