MAX GREENBERG

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EDUCATION

University of Massachusetts Amherst   **Amherst, MA**
Ph.D. Economics   (expected) May 2029
Intended concentrations in macroeconomics and international economics

Cornell University   **Ithaca, NY**
M.S. Systems Engineering   May 2023
Concentration in urban and regional economics
B.A. Mathematics, Economics   May 2021
Concentration in operations research

PAPERS

Works in Progress
Twenty-five years of random asset exchange modeling (*with Oliver Gao*)

RESEARCH EXPERIENCE

Center for the Study of Inequality, Cornell University   **Ithaca, NY**
Affiliated graduate researcher   *Feb. 2022 - May 2023*
Produced a comprehensive review of the "random asset exchange" modeling literature in physics; developed and studied a novel model formulation with more explicit economic structure.

Process-Energy-Environmental Systems Lab, Cornell University   **Ithaca, NY**
Undergraduate research assistant   *Sep. 2019 - May 2021*
Graduate research assistant   *May 2021 - Feb. 2022*
Provided assistance with literature reviews and copy editing for various research projects related to model predictive control systems.

TEACHING EXPERIENCE

Graduate Teaching Assistant, UMass Amherst   **Amherst, MA**
ECON 103 - Introduction to Microeconomics   *Fall 2023*

SERVICE

Economics Graduate Student Organization, UMass Amherst   **Amherst, MA**
Allocation Committee   *Sep. 2023 - present*

LANGUAGES

English
Native.

Russian
Studied both independently and in a classroom setting to an advanced level.
Able to read at a fluent level, up to and including academic texts.
Experienced in translating 19th and 20th century texts from Russian to English.

German
Studied independently to a high-intermediate level.

TECHNICAL SKILLS

Python
Experienced with packages for numerical analysis (numpy, scipy), data scraping (selenium), data analysis (pandas, pyplot), and optimization (gurobipy, Pyomo).

R
Proficient for data analysis and visualization purposes.

MATLAB
Working knowledge for purposes of DSGE and input/output modeling, as well as relevant packages such as Econometrics Toolbox.

LaTeX
Extensive experience with both basic typesetting and auxiliary packages for designing presentations and figures, such as beamer, tikz, and qtree.