

# Theodore Grayer

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## EDUCATION

### **Swarthmore College (GPA: 3.97/4.00)**

**Graduated May 2022**

- BA in Environmental Studies (Economics and Policy Concentration) and Political Science.
- Relevant Coursework: Intermediate Microeconomics, Intermediate Macroeconomics, Advanced Statistical Methods II, Linear Algebra, Behavioral Economics, Environmental Economics, Public Economics, Directed reading in GIS, and Urban Underclass and Public Policy.
- Teaching Assistant: Environmental Economics (ECON 76, taught by Jennifer Peck), Introduction to Environmental Studies (ENVS 01, taught by Jennifer Peck and Chris Graves). Led weekly problem sessions and assisted with in-class discussions.
- Honors and Awards: Phi Beta Kappa (2022), Hulbert Outdoor Center Excellence in Curriculum Development Award (2023), Lang Center Social Impact Summer Scholarship Award (2019 and 2021), Insider NJ Millennial Power List (2018, 2019, and 2020).

### **University of Chicago (GPA: 4.00/4.00)**

**September 2023 – Present**

- Graduate Student at Large taking mathematics coursework in Multivariable Calculus, Introduction to Proofs in Analysis, and Analysis in  $\mathbb{R}^n$ .
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## RESEARCH EXPERIENCE

### **University of Chicago, Booth School of Business**

#### Pre-Doctoral Research Professional to Peter Ganong and Pascal Noel

**June 2023 – Present**

- Transformed large, unstructured administrative payroll data into a resource that provides ongoing economic insight into monthly earnings instability (working paper: [Earnings Instability](#)).
- Improved paper's primary econometric specification to isolate the transitory, unpredictable component of typical income changes. Estimated the marginal propensity to consume from these innovations (prior submission: [Wealth, Race, and Consumption Smoothing of Typical Labor Income Shocks](#)).

### **JP Morgan Chase Institute**

#### Academic Fellow

**June 2023 – Present**

- Employed big data cleaning techniques on Chase customer transaction datasets using PySpark, Bash, and Python as part of Professors Pascal Noel and Peter Ganong's ongoing research projects.
- Conducted spatial analysis of migration and rental inflation as a member of the Institute's housing team.

### **United States Department of Energy, EERE**

#### Research and Policy Intern

**May 2021 – August 2021**

- Researched, drafted, and presented policy recommendations for SCIP, an intra-agency program aimed at assisting public correctional facilities achieve 20% energy and water use reductions.
  - Connected state departments of correction with grant opportunities and information on emerging technologies to facilitate compliance with state "lead by example" legislation while preventing loss of inmate services like air conditioning and job training.
  - Modified department's initiatives, solicitations, and public resources to align with Biden administration policy on environmental justice and workforce development.
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## POLICY AND POLITICS EXPERIENCE

### **Jennifer O'Mara for State Representative**

#### Political and Field Director

**April 2020 – November 2020**

- Analyzed democratic voter file and precinct-level voter data to write, develop, and implement the campaign's voter targeting, outreach, and engagement plan as a member of senior staff which doubled the candidate's winning margin.
- Designed and managed a 13-member high school and college internship program.
- Wrote campaign's messaging and policy positions on issues including energy efficiency, school funding, and red flag gun legislation after soliciting input from district stakeholders, unions, and progressive organizations.

**Office of United States Congresswoman Mary Gay Scanlon**Legislative Intern (DC)**June 2019 – August 2019**

- Assisted legislative team on agricultural and energy policy by conducting research, attending relevant briefings, and recommending bill co-sponsorships.
- Drafted over 30 pieces of issue-specific correspondence to the Congresswoman's constituents.

**Mary Gay Scanlon for Congress**Political Intern**January 2019 – May 2019**

- Created a database with information on local leaders and donors.
- Worked with the Political Director to identify and staff in-district events.

**TEACHING EXPERIENCE****Hulbert Outdoor Center**Outdoor Instructor**June 2022 – June 2023**

- Developed and implemented team building, leadership development, and environmental education programming for K-12 students, businesses, and non-profit organizations.
- Designed lesson plans to accommodate students of diverse abilities, ages, and backgrounds, enabling participants to learn at their own pace.

**Swarthmore College**Writing and Speaking Associate**January 2019 – June 2022**

- Conducted individualized tutoring sessions with college students to improve their writing and public speaking skills.
- Aided professors in modifying written and oral assignments to align with the College's educational mission.

**PUBLICATIONS, SKILLS, AND INTERESTS**

- Working Paper: Grayer, Theodore. Do Weather Shocks Disrupt U.S. Labor Markets?
- [Grayer, Theodore. How Brown Died: An Autopsy into the Causes of Modern Segregation. \*Columbia University Undergraduate Law Review\*.](#)
- Grayer, Theodore. Environmental Illegitimacy: How Invented Court Doctrine Shapes the Environmental Policy Space. *International Association for Political Science Students*. (Accepted as Panelist).
- Technical proficiency: R, Python, Stata, LaTeX, Lyx, Git, Pyspark, AWS, SQL, Bash, and ArcGIS.
- Research Interests: Environmental economics, public economics, labor economics, and household finance.