

Daniel Christian Posmik

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EDUCATION

University of Cincinnati, Carl H. Lindner College	Cincinnati, OH, USA
Economics (BBA), Business Analytics (BSc), Mathematics (Minor) GPA: 3.96/4.0	May 2022
Business Administration (Associate of Arts) GPA: 3.80/4.0	May 2020

PUBLICATIONS

- [1] **Posmik, Daniel C.** “Predicting International Student Enrollment by Institutional Aid: A Random and Fixed Effects Approach”. In: *The Journal of Student Financial Aid* 51.3 (2022).
- [2] **Posmik, Daniel C.**, Jocelyn Shyong, and Jessica Heiges. “The Economic and Environmental Impacts of Poly(3-hydroxypropionate)”. In: *Waste 360* (2020).

SOFTWARE PACKAGES & WORKING PAPERS

- [1] **Posmik, Daniel C.** “EasyCoord: An R Package for Coordinate Conversion”. In: In Progress.

TECHNICAL SKILLS & RELEVANT COURSEWORK

- **Programming:** Advanced: R · Python · \LaTeX · Git — Basic: Julia · MATLAB · SQL
- **Course Audits:** Real Analysis (Spring '23, Y. Li)
- **Coursework:** Statistics and Machine Learning (A-) · Abstract Math (A) · Econometrics (A) · Statistics and Probability (A) · Mathematical Modeling (A) · Calculus I-III (A, A, A-) · Dynamical Systems (A) · Linear Algebra (A) · Game Theory (A) · Forecasting and Risk (A) · Data Mining (A) · Database Management (A)

RESEARCH EXPERIENCE

Becker Friedman Institute for Economics	Chicago, IL, USA
Project Associate · Energy & Environment Lab (Prof. Michael Greenstone)	Jan. 2023 - Present
<ul style="list-style-type: none">• Training eight machine learning models to predict the likelihood of factory-level violations against the Clean Air Act• Conducting lit review to inform an RCT studying the effect of media intervention on environmental compliance• Building data pipelines for machine learning models by writing APIs (RSelenium) to scrape data ($\approx 10\text{TB}$)• Managing data use within the lab and ensuring compliance with privacy/ security protocols as the data steward• Preparing results for research papers, policy briefs, and presentations targeting policymakers and academic audiences• Supporting fundraising, reporting, and grant-writing efforts, specifically regarding NSF and EPA grants	

The Brattle Group	Boston, MA, USA
Research Analyst · Electricity Practice Group	July 2022 - Dec. 2022
<ul style="list-style-type: none">• Analyzed energy congestion patterns using k-Means clustering on space- and time-indexed locational marginal prices• Visualized (QGIS) the energy congestion project, informing a utility's transmission investment ($\approx \\$10\text{m}$)• Conducted cost-benefit analysis for the NJ Board of Public Utilities to evaluate the need for transmission upgrades• Developed a cost-benefit model for the electrification of bus fleets considering grants from the Inflation Reduction Act	

Kautz-Uible Economics Institute	Cincinnati, OH, USA
Capstone Research · Advised by Prof. Michael Jones	Jan. 2021 - Dec. 2021
<ul style="list-style-type: none">• Designed independent research, analyzing the association between financial aid and international student enrollment• Studied causal research frameworks, i.e. a difference-in-differences design with continuous and time-varying treatment• Conducted in-depth literature review on panel data econometrics and treatment effect heterogeneity• Developed two-way fixed effects and random effects model; found that only substantial aid awards predict enrollment• Found that financial aid is especially powerful at rural, private, low research activity institutions• Presented peer-reviewed publication at university-wide capstone competition and the Cleveland Fed's ESP Conference	

Novomer, Inc.	Rochester, NY, USA
Project Lead · Reported to Jeff Uhrig, CEO	May 2020 - Aug. 2020
<ul style="list-style-type: none">• Led a qualitative study assessing the waste impact of Novomer's biodegradable P(3HP) polymer• Coordinated a small research team of one Ph.D student and one chemical process engineer for three months• Assisted with life cycle analysis; conducted an analysis of market fit; summarized global impacts of plastic waste• Co-authored white paper and communicated findings to an audience of executives; published study through Waste360	

PROFESSIONAL ACTIVITIES

Academic Presentations

- Heterogeneity-robust Spatial Synthetic Controls, *UChicago Spring 2023 Research Staff Workshop*, 2023, Chicago, IL
- Predicting International Student Enrollment by Aid, *Cleveland Fed. Reserve ESP Conference*, 2022, Cleveland, OH
- International Students and the Global Flow of Talent, *Guest Lecture International Economics*, 2021, Cincinnati, OH
- Lobbying for Carbon Dividends - H.R.763, *International CCL Climate Change Conference*, 2019, Washington D.C.

Refereeing

- Journal of Student Financial Aid (2022): Peer Reviewer
- Cleveland Federal Reserve Economic Scholars Program (2022): Reviewer of Conference Submissions

AWARDS AND DISTINCTIONS

- Presidential Leadership Medal of Excellence ('22): Highest university-wide leadership award, 4 yearly recipients.
- Economics Student / Non-Traditional Student of the Year ('22): Department honors (Economics), 1 yearly award.
- Schwarzman Scholarship ('21): Finalist, Only 400 out of 3,000+ applicants advance to the final round.
- Annie Fitzgerald Award ('21): Highest university-wide community service awarded 2 yearly recipients.
- Heart of William J. Keating Leadership Award ('21): Highest leadership award in business school, 1 yearly recipient.

TALKS AND MEDIA APPEARANCES

- Podcast Episode on Neo's Legacy ('23): *In the Know with Neo* Podcast.
- Neo Cincy helps Companies find Talent ('22): Newspaper report in *The Business Journals*.
- Telling Stories with Data ('21): TEDx Talk.
- UC Students helping Local Business unlock more Money ('21): News story aired on *WCPO-9*.

LEADERSHIP EXPERIENCE

Neo Initiative

Cincinnati, OH, USA

Founder and President · Faculty Advisor Dr. Prince Ellis

June 2020 - Jan. 2022

- Created the first student-led, pro-bono analytics accelerator for minority-owned small businesses in the U.S.
- Coordinated a team of 6 exec officers, 5 project leads, 5 mentors, and 30 analysts on up to five semesterly projects
- Served a total of 15 black-owned small businesses, developing three practice areas (business intelligence, business analytics, systems implementation) while overseeing 2,480 community service hours in the 2020/2021 school year
- Created an academy centered around systems implementation in partnership with MORTAR Cincinnati
- Fostered industry partnerships with AMEND Consulting, LLC and 84.51, starting a mentorship program
- Reached 300+ minority-identifying small businesses through a state-sponsored (MBAC) *data literacy* series
- Built partnership with the Ohio Department of Development (ODD) around statewide expansion plans and tapped state funding through the 'Ohio Third Frontier' program; enabling Neo to compensate four students up to \$7,500

UC Blue Ash Sustainability

Blue Ash, OH, USA

Co-Founder and Co-President · Faculty Advisor Dr. Mike Roman

Aug. 2019 - July 2020

- Hosted the UC Blue Ash Sustainability Summit which was attended by city of Cincinnati's director of sustainability
- Served as a campus liaison with the Citizens Climate Lobby (CCL) and participated in the 2019 International Climate Conference in Washington DC, lobbying for the Energy Innovation and Carbon Dividend Act (H.R. 763)
- Pitched H.R. 763 to congresswoman Joyce Beatty (D-OH) who cosponsored the bill in December 2020

LANGUAGES & INTERESTS

- **Language:** German (Native) · English (Fluent) · French (Advanced) · Latin (Intermediate) · Spanish (Basic)
- **Interests:** Rock/ Ice Climbing · Mountaineering · Hiking · Cooking · Meditation · Dogs