

RACHEL A. BRASIER

linkedin.com/in/brasier | rachelabrasier.github.io

Experience

U.S. Department of Energy

Economist, International Affairs

Washington, D.C.

May 2023 – Present

International Monetary Fund

Research Officer, Research—Commodities Unit

Washington, D.C.

June 2021 – May 2023

- Researched and compiled information on global commodity markets, with attention to energy security and transition from fossil fuels to clean energy technologies
- Delivered weekly briefings on oil, gas, coal, and metals market developments and international energy policy issues
- Drafted energy and metals briefing sections and served as managing editor of internal commodities newsletter read by more than half of IMF staff on a weekly basis (approximately 1,800 economists and research analysts)
- Wrote briefs for management bilateral meetings with industry and political leaders at the World Economic Forum, as well as diplomatic visits
- Co-authored IMF blog on global LNG market integration
- Contributed to memos to management on Russia's war in Ukraine, sanctions, and commodity market developments
- Developed models for predicting European natural gas storage levels given various supply and demand scenarios
- Built IMF Energy Transition Metals Price Index covering 16 metals and minerals critical to clean energy technologies

University of Texas at Dallas

Economic Development Analyst

Richardson, Texas

August 2019 – June 2021

- Directed economic research to facilitate public-private partnerships for development in the Dallas metro area
- Produced articles and interactive web charts on labor dynamics and demographic issues for "The Connection: Economic Development and Our Community" biweekly analysis series and monthly DFW Labor Market Updates
- Served as founding member of Dallas Thrives Labor Market Intelligence group, specialists in government and higher education working to expand job opportunities and improve living wage attainment in the Dallas-Fort Worth area
- Managed student intern's workflow, including economic data and GIS analysis tasks

U.S. Peace Corps / Ternopil National Technical University

University TEFL Volunteer / College Instructor

Ternopil, Ukraine

August 2018 – July 2019

- Taught eight weekly English classes; organized English workshops for students and faculty
- Certifications in project design and management; monitoring, reporting, and evaluation; intercultural communication; sustainable development; grant writing

Federal Reserve Bank of Dallas

Research Analyst, Research—Energy Group

Dallas, Texas

July 2017 – July 2018

Research Assistant, Research—Energy Group

June 2016 – July 2017

- Prepared data and charts for energy and resource economics research and FOMC briefings to Bank president
- Designed and managed maps and graphics for Director of Research's presentations on regional and global economy
- Supported recruitment, analysis, results write-ups, and online publication for quarterly Dallas Fed Energy Survey
- Published articles in *Southwest Economy* magazine on natural gas trade and environmental disaster relief
- Built SAS framework to calculate wage growth using U.S. Census Bureau SIPP and ACS microdata
- Led energy team in year-long process improvement project to automate monthly data report generation and minimize risk of human error

University of North Texas

National Science Foundation Undergraduate Fellow

Denton, Texas

June – August 2015

- Planned, conducted, and presented research in Civil Conflict Management and Peace Science, funded by NSF

RACHEL A. BRASIER

linkedin.com/in/brasier | rachelabrasier.github.io

Education

M.S. Geospatial Information Sciences (GIS) + GEOINT Certificate

University of Texas at Dallas

May 2021

Richardson, Texas

M.A. Economics

University of Alabama

May 2016

Tuscaloosa, Alabama

B.A. International Studies

University of Alabama

+ Semester Abroad in Croatia, Libertas International University

August 2015

Tuscaloosa, Alabama

Dubrovnik, Croatia

Skills and Honors

Software and programming: Microsoft Excel / VBA; R; SQL; ArcGIS / ArcPy; Tableau; Python; LaTeX; HTML; CSS; JavaScript; Stata; SAS; MATLAB; ERDAS Imagine; QGIS; EViews; R Markdown; GitHub; Bloomberg Terminal; HAVER Analytics; Reuters Datastream; Rystad Energy Cube; Beyond 20/20

Languages: English (native); Spanish (fluent); French (fluent); Ukrainian (advanced); Russian (advanced); German (intermediate); Arabic (intermediate); Croatian (intermediate); Mandarin Chinese (conversational)

Analysis: Spatial and time series analysis; calculus; linear algebra; forecasting; statistics; econometrics; data mining; web scraping; data visualization; database management; predictive modeling and algorithms; demography / epidemiology

Professional: Analytical writing; communications; creativity; project management; strategic planning; initiative

Honors: Phi Beta Kappa; University Honors; National Merit Scholar; International Baccalaureate

Service and Leadership

World Bank Global Youth Summit

Case Challenge Content Developer [volunteer]

Washington, D.C.

March 2022 – May 2022

- Worked in a team of 6 volunteers from the World Bank and IMF to construct an environmental inclusion case

Eurasia Foundation

Fellow, Young Professionals Network

Washington, D.C.

August 2021 – June 2022

- One of 25 young professionals selected to participate in networking events focused on Eastern Europe and Eurasia

International Socioeconomics Laboratory

Principal Investigator / Research Advisor [volunteer]

Virtual

June 2021 – August 2021

- Guided a team of 10 undergraduates in a GIS research project analyzing U.S. highways and demographic data

Diamond Challenge

Competition Judge [volunteer]

Virtual

October 2018 – March 2019

- Provided feedback on 20 virtual pitches and proposals in the global student entrepreneurship competition

Tuscaloosa Initiative for Language Education

Coordinator / Instructor [volunteer]

Tuscaloosa, Alabama

August 2012 – May 2016

- Managed volunteer recruitment and placement, developed program strategic plans, and wrote multilevel curriculum