

RACHEL A. BRASIER

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Experience

International Monetary Fund

Washington, D.C.

Research Officer, Commodities Unit [full-time]

June 2021 – Present

- Researched, collected, and compiled information on global commodity markets
- Maintained and updated quantitative and qualitative economic, financial, and statistical databases
- Processed, consolidated, and transformed data sets using statistical and econometric techniques
- Prepared charts and tables, accessing and manipulating macroeconomic data from wide range of sources
- Assisted staff economists in conducting quantitative data analysis utilizing econometric and other statistical tools

University of Texas at Dallas

Richardson, Texas

Economic Development Analyst [full-time]

August 2019 – June 2021

- Directed research to support UT Dallas' economic development efforts using knowledge of Dallas-Fort Worth economy and education
- Created biweekly articles and interactive web charts for "The Connection: Economic Development and Our Community" analysis series and monthly DFW Labor Market Updates
- Served as contributing member of Dallas Thrives initiative's Labor Market Intelligence group, specialists in government and higher education working to improve living wage attainment in the DFW area
- Managed student trainee's workflow, including economic data and GIS analysis tasks

International Affairs Review, George Washington University

Virtual

Contributing Writer [part-time; unpaid]

September 2020 – May 2021

- Wrote web articles on East Central Europe and Russia, geopolitics, and energy economics

U.S. Peace Corps / Ternopil Ivan Puluj National Technical University

Ternopil, Ukraine

University TEFL Volunteer / College Instructor

August 2018 – July 2019

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

Federal Reserve Bank of Dallas

Dallas, Texas

Research Analyst, Energy Economics, and Assistant to the Director of Research

July 2017 – July 2018

Research Assistant, Energy Economics

June 2016 – July 2017

- Prepared data and charts for economists' energy and natural resources economics research and FOMC briefings for Bank president
- Designed and managed maps and graphics for Director of Research's presentations on regional demographics and economic conditions
- Built SAS framework to calculate wage growth using U.S. Census Bureau SIPP and ACS microdata
- Supported recruitment of business contacts, 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
- Led energy team in process improvement project to automate monthly data report generation and minimize risk of human error

University of North Texas

Denton, Texas

National Science Foundation Undergraduate Researcher

June 2015 – August 2015

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- Planned and conducted research in Civil Conflict Management and Peace Science during summer research fellowship supported by the NSF under Grant No. 1359148; presented findings at Midwestern Political Science Association Conference in April 2016

Education

M.S. Geospatial Information Sciences (GIS) + GEOINT Certificate, 3.8 GPA	May 2021
University of Texas at Dallas	Richardson, Texas
M.A. Economics, 3.5 GPA	May 2016
University of Alabama	Tuscaloosa, Alabama
B.A. International Studies, 3.9 GPA	August 2015
University of Alabama	Tuscaloosa, Alabama
+ Semester Abroad in Croatia, Libertas International University	Dubrovnik, Croatia

Skills and Honors

Software and programming: Microsoft Excel / VBA; R; SQL; ArcGIS / ArcPy; Tableau; Python; LaTeX; HTML / CSS; Stata; SAS; MATLAB; ERDAS; QGIS; EViews; R Markdown; GitHub; HAVER Analytics; Reuters Datastream

Languages: English (native); Spanish (fluent); French (fluent); Russian (advanced); Ukrainian (advanced); German (intermediate)

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; web development

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

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

Service and Leadership

International Socioeconomics Laboratory	Virtual
Principal Investigator [volunteer]	June 2021 – August 2021
<ul style="list-style-type: none">Guided team of 10 undergraduates in research project mapping and analyzing U.S. highways and demographic data.	
Diamond Challenge	Virtual
Competition Judge [volunteer]	October 2018 – March 2019
<ul style="list-style-type: none">Provided feedback on 20 virtual pitches and proposals in the global student entrepreneurship competition.	
Tuscaloosa Initiative for Language Education	Tuscaloosa, Alabama
Coordinator / Instructor [volunteer]	August 2012 – May 2016
<ul style="list-style-type: none">Managed volunteer recruitment and placement, developed program strategic plans, and wrote multilevel curriculum.	

Training

Russian Language Refresher Course	June 2021 – July 2021
Middlebury Language Schools	Virtual
SQL Programming Course	August 2019 – November 2019
Collin College Continuing Education	Plano, Texas
A to Z Grant Writing	January 2017 – February 2017
Collin College Continuing Education	Plano, Texas