

RACHEL A. BRASIER

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Education

M.S. Geospatial Information Sciences (GIS) + GEOINT Certificate, 3.8 GPA

University of Texas at Dallas

May 2021

Richardson, TX

M.A. Economics, 3.5 GPA

University of Alabama

May 2016

Tuscaloosa, AL

B.A. International Studies, 3.9 GPA

University of Alabama

August 2015

Tuscaloosa, AL

[DIU Libertas, Spring 2015]

Dubrovnik, Croatia

Experience

University of Texas at Dallas

Richardson, TX

Economic Development Analyst [full-time]

August 2019 – Present

- 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

[Remote]

Staff Writer [part-time; unpaid]

September 2020 – Present

- 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 180 hours of English classes; organized 40 English workshops for 80 Ukrainian and international students and 70 faculty
- Certifications in project design and management; monitoring, reporting, and evaluation; intercultural communication; sustainable development; grant writing

Federal Reserve Bank of Dallas

Dallas, TX

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, TX

National Science Foundation Undergraduate Researcher

June 2015 – August 2015

- 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

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; Bloomberg Terminal

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