

# RACHEL A. BRASIER

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## Education

### M.S. Geospatial Information Sciences (GIS) + GEOINT Certificate, 3.7 GPA

University of Texas at Dallas

May 2021 [expected]

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 economic research to attract, retain, and assist businesses as they expand into the Dallas-Fort Worth metroplex
- Produced 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; R Markdown; GitHub

**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