RACHEL A. BRASIER

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Education

Master of Science in Geospatial Information Sciences, 3.7 GPA — May 2021 [expected]
University of Texas at Dallas — Richardson, TX

Master of Arts in Economics, 3.5 GPA — May 2016
University of Alabama — Tuscaloosa, AL

Bachelor of Arts in International Studies, 3.9 GPA — August 2015
University of Alabama — Tuscaloosa, AL

Study Abroad, International Relations and Diplomacy — January – May 2015
DIU Libertas Međunarodno Sveučilište — Dubrovnik, Croatia

Experience

University of Texas at Dallas — Richardson, TX
Economic Development Specialist / Business Analyst [full-time] — August 2019 – Present

- Directed economic analysis to support economic development initiatives aimed at attracting, retaining, and assisting businesses as they expand into the Dallas-Fort Worth region
- Developed research products and publications on UT Dallas' role in the local economy
- 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

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 to 151 students at TNTU
- 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 skills; sustainable development; grant writing

Federal Reserve Bank of Dallas — Dallas, TX
Research Analyst and Assistant to the Director of Research — July 2017 – July 2018
Research Assistant, Energy Economics — June 2016 – July 2017

- Provided research assistance for economists' research and FOMC briefings for Bank president
- Designed and managed charts, maps and slides for Director of Research's presentations on regional economic conditions, demographics, and development
- Built SAS framework to calculate wage growth using U.S. Census Bureau 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 disaster relief
- Led energy team in process improvement project to automate monthly data report generation

University of North Texas — Denton, TX
National Science Foundation Undergraduate Researcher — June – 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

Quantitative reasoning

- Multivariate calculus
- Linear algebra
- Statistics
- Multivariate analysis
- Spatial analysis
- Time series analysis
- Forecasting
- Mathematical economics
- Econometrics

Professional analysis

- Statistical programming
- Data mining / web scraping
- Data visualization
- Predictive modeling
- Algorithms
- Statistical research methods
- Business writing
- Public speaking
- Web development
- Zoom, Webex, Teams

Software and programming

- MS Excel / VBA ■■■■
- R ■■■
- SQL ■■■
- ArcGIS / ArcPy ■■■
- Tableau ■■■
- Python ■■
- LaTeX ■■
- HTML / CSS ■■
- Stata ■■
- SAS ■■

Languages

- English ■■■■■
- Spanish ■■■■
- French ■■■■
- Ukrainian ■■■
- Russian ■■■
- German ■■

Honors

- Phi Beta Kappa
- National Merit Scholar
- International Baccalaureate