

RACHEL A. BRASIER

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Education

Master of Science in Geospatial Information Sciences, 3.6 GPA

University of Texas at Dallas

May 2021 (expected)

Richardson, TX

Master of Arts in Economics, 3.5 GPA

University of Alabama

May 2016

Tuscaloosa, AL

Bachelor of Arts in International Studies, 3.9 GPA

University of Alabama

August 2015

Tuscaloosa, AL

Study Abroad, International Relations and Diplomacy

DIU Libertas Međunarodno Sveučilište

January – May 2015

Dubrovnik, Croatia

Experience

University of Texas at Dallas

Economic Development Specialist / Business Analyst [full-time]

Richardson, TX

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, analysis, and strategic recommendations for the economic expansion of communities served by UT Dallas
- Wrote biweekly original articles for “The Connection: Economic Development and Our Community” analysis series [utdallas.edu/economicengine/connection]

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

University TEFL Volunteer / College Instructor

Ternopil, Ukraine

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
- Delivered seminars on data analysis and interpretation to student and faculty audiences
- Certifications in project design and management; monitoring, reporting, and evaluation; intercultural communication skills; sustainable development; grant writing

Federal Reserve Bank of Dallas

Research Analyst and Assistant to the Director of Research

Research Assistant, Energy Economics

Dallas, TX

July 2017 – July 2018

June 2016 – July 2017

- 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; shortened processing time from 8 hours to 10 minutes and reduced risk of error in final report

University of North Texas

National Science Foundation Undergraduate Researcher

Denton, TX

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

City of Plano

Head Lifeguard

Lifeguard

Plano, TX

May – August 2014

May 2011 – August 2013

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
- Zoom, Webex, Teams

Software and programming

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

Languages

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

Honors

- Phi Beta Kappa
- National Merit Scholar
- International Baccalaureate