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Education

M.S. expected May 2021, The University of Texas at Dallas, Richardson, Texas, Geospatial Information Sciences, 3.7 GPA

M.A. May 2016, The University of Alabama, Tuscaloosa, Alabama, Economics, 3.5 GPA

B.A. August 2015. The University of Alabama, Tuscaloosa, Alabama, International Studies with Peace and Conflict Studies focus and Statistical Methods specialization, 3.9 GPA (*summa cum laude*, University Honors)

Study Abroad Spring Semester 2015, DIU Libertas International University, Dubrovnik, Croatia, International Relations and Diplomacy

Fields of Interest

Political Economy of Conflict; Post-Communist Regimes; Geopolitics; Spatial Economics; Labor Economics.

Research and Teaching Experience

The University of Texas at Dallas, Richardson, Texas

Economic Development Analyst, Aug. 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 working group, which unites specialists in government and higher education to provide analysis with objective of improving living wage attainment

International Affairs Review, George Washington University, Washington, D.C. (Virtual)

Staff Writer, Sep. 2020 – Present

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

U.S. Peace Corps / Ternopil Ivan Puluji National Technical University, Ternopil, Ukraine

University TEFL Volunteer / College Instructor, Aug. 2018 – Jul. 2019

- Taught nine technical English courses at TNTU (18 hours per week)
- Organized English workshops for Ukrainian and international students and faculty members at TNTU and Ternopil Technical College
- Certifications in project design and management; monitoring, reporting, and evaluation; intercultural communication skills; sustainable development; grant writing
- Lived with Ukrainian host families in Zhytomyr (Central Ukraine) and Ternopil (Western Ukraine) for total of six months
- Hosted German exchange student for duration of her two-month Erasmus+ internship at TNTU

Federal Reserve Bank of Dallas, Dallas, Texas

Research Analyst, Aug. 2017 – Jul. 2018

Research Assistant, Jun. 2016 – Aug. 2017

- Provided research assistance for economists' research projects and FOMC briefings for the Bank president
- Designed and managed charts, maps and slides for economists' presentations on regional economic conditions, demographics, and development

- Constructed plan and built SAS framework to download, clean, and analyze Census Bureau CPS and SIPP microdata to calculate real and nominal wage growth and compare with Atlanta Fed's Wage Growth Tracker
- Supported recruitment of business contacts, analysis, results write-ups, and online publication for quarterly Dallas Fed Energy Survey
- Published articles in *Dallas Fed Southwest Economy* magazine on natural gas trade and disaster relief
- Led energy team (4 economists and 3 research assistants) in year-long process improvement project to automate monthly data report generation

University of North Texas

National Science Foundation Undergraduate Researcher, Jun. – Aug. 2015

- Selected for summer research fellowship (REU) in Civil Conflict Management and Peace Science supported by the NSF under Grant No. 1359148
- Independently designed and conducted a research project on discrimination against minority ethnic groups in post-communist Europe, under the guidance of Dr. John Ishiyama, Department of Political Science
- Wrote research paper incorporating sociopolitical theory, data collection methods, and statistical data analysis using a multi-level logit model
- Presented findings to faculty review committee at UNT in August 2015 and at Midwestern Political Science Association Conference in April 2016

Tuscaloosa Initiative for Language Education, Tuscaloosa, Alabama

Coordinator (Volunteer), Jun. 2015. – May 2016

Instructor (Volunteer), Aug. 2012 – Dec. 2015

- Taught French at three middle schools and one magnet elementary school
- Developed original instructional programming, including lesson plans, songs, board games and short dramas

University of Alabama, Tuscaloosa, Alabama

Undergraduate Research Assistant, Jan. 2014 – May 2014

Freshman Research Assistant (Emerging Scholars Program), Aug. 2012 – May 2013

- Reviewed print and online materials on German WWI military actions and post-WWII interstate conflicts
- Coded conflict escalation data for the Correlates of War Militarized Interstate Disputes (COW-MID) database under the guidance of Dr. Douglas Gibler, Department of Political Science
- Delivered poster presentation to the Alabama Political Science Association in May 2013

Volunteer Work and Leadership Experience

Diamond Challenge International High School Entrepreneurship Competition Virtual Judge, Fall 2018

Employee Programs, Federal Reserve Bank of Dallas, Dallas, Texas

Pen Pal (Spanish), Margaret B. Henderson Elementary School Mentorship Program, Sep. 2017 – Jul. 2018

Speaker, Dallas Fed Toastmasters International Club, Jul. 2017 – Jul. 2018

Chair, March of Dimes Campaign, Oct. 2017 – Apr. 2018

Department Chair, United Way Donation Drive, Jul. – Oct. 2017

Department Chair, Margaret B. Henderson Elementary School Supply Drive, Jul. 2016 – Oct. 2017

The University of Alabama Undergraduate Research and Creative Activity Conference Judge, 2016

Alabama International Relations Club, Tuscaloosa, Alabama

Club Officer, Jun. 2015 – May 2016

Senior Delegate, Washington University in St. Louis Model UN Conference (WUMUNC) 2015

Senior Delegate, University of Pennsylvania Model UN Conference (UPMUNC) 2015

Junior Delegate, National Collegiate Security Conference (NCSC) 2012

Alabama Model United Nations Conference, Tuscaloosa, Alabama

Chair, Joint Crisis Committee, Oct. 2015 – Feb. 2016

- In team of university student volunteers planned, designed and wrote a 20-page handbook for high school student participants
- Moderated discussion between student-delegates from five local high schools

AI's Pals Mentor Program, Tuscaloosa, Alabama

Fifth Grade Mentor, Aug. – Dec. 2013

- Planned and implemented strategies to promote engagement in after-school learning and strengthen civic engagement by mentees
- Contributed to the development and improvement of training materials for group of 20 fifth-grade students

Awards and Honors

UT Dallas GIS Day Poster Competition, 2nd Place, Awarded Nov. 2020

Dobro Slovo (National Slavic Honor Society), Inducted Apr. 2016

Phi Beta Kappa Honor Society, Inducted Aug. 2015

Strong Memorial Scholarship for Russian Studies, Awarded Apr. 2014

Pi Delta Phi (National French Honor Society), Inducted Apr. 2014

Phi Kappa Phi Honor Society, Inducted Apr. 2014

University of Alabama President's List, 2012 – 2014

University of Alabama Dean's List, 2012 – 2015

Emerging Scholars Freshman Research Program, 2012 – 2013

University of Alabama Presidential Scholarship, 2012 – 2016

National Merit Scholar, 2012

International Baccalaureate, 2012

Plano East Senior High School Panther Hall of Fame, Inducted May 2012

Plano East Senior High School Outstanding Senior: Foreign Language Student, May 2012

Pan-American Student Forum (Texas Statewide High School Spanish Competition), 1st Place, 2012

Texas French Symposium (Texas Statewide High School French Competition), 1st Place, 2011

Presentations

UT Dallas GIS Day Student Poster Competition, Nov. 18, 2020, "Nighttime Lights in the Donbas"

Geospatial Sciences Workshop Presentations, Aug. 3, 2020, "Predicting Oil Well Yields in Russia"

SkillSharing Festival, Ivano-Frankivsk Ukraine, Mar. 16, 2019, "Data Analysis and Interpretation"

Federal Reserve Bank of Dallas, Research Analysts' Brown Bag, Jun. 20, 2018, "Lessons from Panel Microdata"

Federal Reserve Bank of Dallas, Research Analysts' Brown Bag, Jun. 9, 2017, "Applications for Data in Research: Maps and the Balkans"

Capstone Project Presentation, Apr. 27, 2016, "War and Trade in Ukraine"

Midwestern Political Science Association (MPSA), 2016, "The Shadow of the Kremlin: The Effect of Communist Legacy on Political Discrimination Against Minorities"

Alabama Political Science Association, May 2013, "Legislative Signaling and the Democratic Peace"

The University of Alabama Undergraduate Research and Creative Activity Conference, Apr. 16, 2013, "Legislative Signaling and the Democratic Peace"

ExxonMobil Texas Science and Engineering Fair, Apr. 2010, "Got (Raw) Milk? An Examination of the Benefits of Home Pasteurization"

Publications

Editorial-reviewed publications:

Brasier, Rachel. 2021 (forthcoming). "A Vision of New Normandy Format Negotiations." *The International Affairs Review*.

Brasier, Rachel. 2020. "The Arrest of Sergei Furgal as a Kremlin Power Grab." *The International Affairs Review*, <https://iar-gwu.org/blog/the-arrest-of-sergei-furgal-in-context>

Brasier, Rachel, and Thompson, Jesse. 2018. "FEMA to Play Long-Term Role in Recovery from Harvey." *Dallas Fed Southwest Economy*, 2018(2), 15-17, <https://ssrn.com/abstract=3211873>

Brasier, Rachel, and Jesse Thompson. 2017. "Cross-Border Pipelines Link U.S. Natural Gas Producers, Mexican Electricity Users." *Dallas Fed Southwest Economy*, 2017(3), 18, <https://ssrn.com/abstract=3041188>

Gullo, Stephanie, Sarah Greer, and Rachel Brasier. 2016. "Noteworthy: Inequality, Well-Being, Energy." *Dallas Fed Southwest Economy*, 2016(4), 10, <https://ssrn.com/abstract=2894177>

Unpublished papers:

Brasier, Rachel. 2020. "Twitter Data Analysis as a Lens for Understanding the Conflict in Ukraine: A Time Series Approach."

Brasier, Rachel. 2020. "Nighttime Lights in the Donbas."

Brasier, Rachel. 2020. "Predicting Russian Oil and Gas Well Yields."

Brasier, Rachel. 2020. "Trends in Appointment and Dismissal of Russian Governors."

Brasier, Rachel. 2020. "The Effect of Military Fatalities on Trade Between Ukraine and Russia."

Brasier, Rachel. 2016. "The Effect of Civilian Casualties on Trade Between Ukraine and Russia."

Brasier, Rachel. 2015. "The Shadow of the Kremlin: The Effect of Communist Legacy on Political Discrimination Against Minorities."

Brasier, Rachel. 2014. "Foreign Direct Investment as an Indicator of Perceived Civil Unrest."

Languages

English (native)

French (C2)

Spanish (C2)

Ukrainian (B2)

Russian (B2)

German (A2)

Software and Programming

MS Excel / VBA, R, SQL, ArcGIS / ArcPy, Tableau, Python, LaTeX, HTML / CSS, Stata, SAS, ERDAS Imagine, MATLAB

Conference Attendance

Association of Slavic, Eastern European, and Eurasian Studies (ASEEES), 2020

Federal Reserve System Research Assistants/Research Analysts Conference, 2018

Federal Reserve System Technology-Enabled Disruption Conference, 2018

ASEEES, 2017

Federal Reserve System Energy Conference, 2017

Federal Reserve System Energy Conference, 2016

Midwestern Political Science Association (MPSA), 2016

Southern Conference for Slavic Studies (SCSS), Mar. 17-19, 2016