

Matthew Kyle Ellis

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EDUCATION

Ph.D. Political Science, Purdue University August 2019-Present
M.A. International Relations and World Order, University of Leicester January 2018
B.A. Geography, Texas Christian University December 2014

RELEVANT EXPERIENCE

Independent Instructor, Purdue University June-August 2020

- Taught introductory concepts of the international relations field to 30 undergraduate students
- Developed the course syllabus and engaged students with lectured material three times a week

Teaching Assistant, Purdue University Jan.-May 2020

- Created and delivered all relevant information and material to over 150 students throughout the semester
- Managed the grading and learning outcomes for each Modern Weapons and International Relations student throughout the course

Adjunct Professor of Government, San Jacinto Community College Aug. 2018-July 2019

- Taught college-level government courses on the US and Texas political systems at a top-five nationally ranked community college
- Managed all curriculum, assessments, and lectures for over 250 dual-credit and junior college students

TECHNICAL POSITIONS

Research Assistant (Award Based Opportunity), Purdue University Aug. 2020-Present

- Coordinate meetings, create guest speaker series and run the day-to-day operations for a new program designed to unite security-minded students, academics, and military personnel
- Use geospatial methods to project human-decision making practices in static and kinetic geopolitical environments

GIS Technician, Dunaway Associates Feb. 2015-Dec. 2015

- Oversaw the mapping needs of four offices around the State of Texas as the only GIS professional on staff
- Aided in the development of over 500 exhibits and expedited mapping production by creating a network of GIS and LIDAR professionals
- Spoke with clients and wrote professional reports for internal vendors and diverse clients
- Managed internships from local universities and created material that extended the education of GIS to students

GIS Research Assistant, Tear Gas Research Connection July-Aug. 2014

- Rendered over 250 data points in universally recognized Cartodb software
- Created interactive maps and multiple exhibits used at the 2015 American Association of Geographers Conference

GIS/LIDAR Intern, Cooper Aerial Surveys Co. May-Aug. 2016

- Used satellite and aircraft generated LIDAR imagery of 50 national power plants
- Created exhibits for ten projects for using AutoCAD software for accurately measuring data points

GIS/GPS Intern, AAA Landscape May-Aug. 2016

- Used GPS technology and memorized geographic attributes to plot field locations of hundreds of acres of desert land for client projects

LEADERSHIP EXPERIENCE

Junior Fellow –FORCES Initiative, Purdue University Jan. 2020-Present

- Run a team that researches and applies game theory methods to predict conflict areas in the South China Sea

National Intelligence Advisor Role – War Game, US Naval War College & Hoover Institute Nov. 2020

- Invited by Georgetown University's War Gaming Society to participate in evolving battlefield scenarios
- Led team through conflicts using both offensive and defensive actions involving realpolitik, cyber-attacks, and nuclear diplomacy

Vice-President, PoliSci Graduate Student Government, Purdue University Aug. 2020-Present

- Represented a graduate student department of 56 students and interacted with faculty and staff in the department

Presenter, AAG, Russia's Modern Hybrid Warfare Threat and NATO's Response April 2018

- Gave a presentation on Russia's short-of-conflict strategies in Eastern Europe

Chair, AAG, Critical Cartography: Spatial Data for Social Justice March 2016

- Led group and facilitated discussions to show the importance of GIS mapping in social justice movements and military campaigns

Department Representative, University of Leicester Sept. 2016- Sept. 2017

PUBLICATIONS AND CONTRIBUTIONS

- Kirchubel, R., Ellis, M., & Villasi, E. (2021). *2021 United States Security and Strategy Priorities: Predicting President Biden's Future Foreign Policy and Strategy* (S. A. Matei, Ed.).
- Ellis, M. (2017) 'Social Media in the 2016 U.S. Presidential Election', *E-International Relations*, Available at: <http://www.e-ir.info/2017/07/28/social-media-in-the-2016-u-s-presidential-election/>.

TECHNICAL SKILLS

- R Programming Language
- Python Working Knowledge
- Esri Suite
- LIDAR Imagery Analysis
- Topcon Positioning Systems
- Autodesk
- QGIS
- Google Earth Pro