

UNAI MIGUEL ANDRES, AICP CANDIDATE

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EDUCATION

Indiana University	2020-Present
PhD in Geography	
Ball State University	May 2017
Master of Urban and Regional Planning	
Master of Science in Natural Resources and Environmental Management	
Dual Master Thesis: <i>“Discovering a Biophilic Seoul”</i>	
Lake Superior State University	May 2015
B.S. Environmental Science - Policy and Management	
Minors: Society and Environment; Geographic Information Systems (GIS)	
Senior Research project: <i>“Drought Impacts on Wheat Productions on the Canadian Prairies”</i>	

PROFESSIONAL EXPERIENCE

Division of Children’s Health Services Research, IU School of Medicine	Indianapolis, IN
<i>Data Analyst</i>	<i>December 2021 – Present</i>
• Created area specific tags for the State of Indiana and geotagged over 140 million patient address records for NIH funded projects.	
• Assisted teams on the conceptualization and integration of spatial dimensions as variables in their research.	
• Conceptualized and developed migration and mobility metrics for PLWH.	
• Developed new systems for management of data sources and medical phenotypes.	
• Led the development of population-based data for CVD-based collaborative projects.	
The Polis Center, IUPUI	Indianapolis, IN
<i>GIS & Data Analyst</i>	<i>September 2017 – December 2021</i>
• Created community trends reports for Central Indiana.	
• Developed new partnerships with local and statewide organizations and extended existing partnerships and project collaborations.	
• Assisted in the development and execution of new projects proposals.	
• Led the food security and transportation chapters of the State of Aging in Central Indiana Report.	
• Developed over 24 food access and security metrics for the State of Indiana.	
• Integrated third party resource data into consolidated databases, using appropriate methods to maximize data quality and integrity.	
• Developed performance indicator reports and created data indices for use in multiple center-wide projects and research reports.	
• Developed automated tools for processing and analyzing spatial data for projects.	
• Assisted in the development of Multi-Hazard Mitigation Plans for 11 Indiana Counties.	
• Co-developed nine 2-hour modules for the new SAVI data literacy training program.	
• Provided trainings about the use of SAVI Tools and about data literacy to over 1000 individuals.	
<i>Community Informatics GIS Technician</i>	<i>June 2017 – September 2017</i>
• Supported the SAVI Community Information System through the use of GIS and database software.	
• Provided geospatial technology support to community groups.	
• Analyzed and integrated spatial datasets for multiple projects.	

O'Neill School of Public and Environmental Affairs, IUPUI*Associate Faculty***Indianapolis, IN***August 2019 – May 2020*

- Co-Instructor for SPEA-V 473 Management, Leadership and Policy (Public Affairs Capstone) Fall 2019 (41 students) and Spring 2020 (48 students)
- Developed and delivered lectures.
- Mentored and guided 9-10 student teams each semester through the steps for conducting community-based projects.
- Developed community partnerships and acquire projects for student teams prior to the beginning of the course with non-profit organizations, local government agencies, & university departments.

Muncie Food Hub Partnership, Ball State University*Food Hub Development Assistant***Muncie, IN***June 2017 – December 2017*

- Led the development of the Delaware County Food Security Assessment.
- Represented the organization at various food security community meetings and created relationships with key food resources stakeholders.

Department of Urban Planning, Ball State University*Dr. John H. West's Graduate Teaching Assistant***Muncie, IN***January 2016 – May 2017*

- Teaching assistant for PLAN 100 “Intro to Urban Planning” in Spring 2016 (60 students), Fall 2016 (93 students) & Spring 2017 (64 students), PLAN 220 “History & Theory of Planning I” in Fall 2016 (33 students), and PLAN 221 “History & Theory of Planning II” in Spring 2017 (18 students).
- Assisted with coursework development, creation of assignment descriptions, grading rubrics, and class presentations.
- Graded discussion boards, groups assignments and term projects.

*Dr. Sanglim Yoo's Summer Research Assistant**May 2016 – August 2016*

- Researched the physical aspects of Urban Heat Islands and how to identify them through satellite imagery.
- Identified ways to extract building density through satellite imagery.

*Dr. Eric D. Kelly's Graduate Assistant**August 2015 – May 2016*

- Created in-depth media repositories for 3 online classes: “Introduction to comprehensive planning”; “Implementation of the Comprehensive plan”; “Zoning as implementation tool”.
- Assisted with the development of presentation materials about comprehensive planning and boom towns for sponsored events by the U.S. Embassy in Argentina.

Institute of Public Affairs, Yonsei University*Intern***Seoul, Korea***June 2016 – August 2016***EUP Regional Planning and Development Commission***GIS Intern***Sault Ste. Marie, MI***February 2015 - Aug 2015***Superior Edventures***GIS/Physical Sciences Instructor***Sault Ste. Marie, MI***May 2015 - Aug 2015*

SERVICE

Tabletop Gaymers Inc.	National
Director	February 2021 – Present
Gen Con Lead	February 2021 – Present
American Planning Association, ENRE Division	National
Communications chair	January 2021 – April 2023
Communications chair	November 2017 – December 2020
Muncie-Delaware Clean & Beautiful	Muncie, IN
Board of Directors Member	October 2016 – November 2017
Ball State University College of Architecture & Planning IT Committee	Muncie, IN
Member	Sep 2015 – May 2016
BSU Urban Planning Chair's Advisory Board	Muncie, IN
1 st year Master Student Representative	Sep 2015 – May 2016
LSSU Student Government	Sault Ste. Marie, MI
Representative Discretionary Funding Committee	Jan 2013 – April 2015
LSSU Curriculum Committee	Sault Ste. Marie, MI
Student Representative	Mar 2013 – April 2015
LSSU General Education Committee	Sault Ste. Marie, MI
Student Representative	Sep 2013 – April 2015

SELECTED PRESENTATIONS & TALKS

- Invited Panel Discussant. January 12th, 2021. *The Root Causes of Violent Crimes*. All IN, WFYI (90.1 FM). Recorded program [here](#).
- Expert interview. March 25th, 2021. Yousry, F. *Breaking The Cycle: Why Poverty Can Be A Closed Loop With Few Chances For Escape*. Side Effect Public Media. [Here](#).
- Invited Panel Discussant. April 6th, 2021. *Poverty & Wealth: Outlook on Poverty in Indianapolis*. Leadership in Indianapolis.
- Expert interview. July 1st, 2021. Cooper, B. *Hunger in the heartland*. Indianapolis Recorder. [Here](#).
- Invited classroom presentation. October 14th, 2021. *Redlining and Segregation*. Introduction to Sociology. DePauw University
- Expert interview. October 18th, 2021. Cheang, K. L. *Old National Bank preventing loan access to Black borrowers could be illegal, expert says*. IndySar. [Here](#).
- Invited Presenter & Panelist, “When Business and Science Meet: The Impact on our Plate and Healthcare” Kelley School’s Center for the Business of Life Sciences’ Intersection of Food, Diet and Healthcare conference, Indianapolis, IN. May 10.th, 2019
- Invited Presenter, “Mapping Food Deserts” Indy Food Council System Shift Series, Indianapolis, IN. January 30th, 2019
- Presenter, “Servant Leaders Working with Urban Data: SAVI” Urban Servant Leadership Unconference, Indianapolis, IN. August 25th, 2018.
- Presenter, “Neighborhood Change Since 1970: Suburbanization, Gentrification, and Suburban Redevelopment”. SAVI Talks at WFYI. Indianapolis, IN. June 13th, 2018.
- Presenter, “Discovering a Biophilic Seoul” Ball State University Student Symposium, Muncie, IN. March 21st, 2017.
- Presenter, “Biophilic Characteristics of Asian Metropolitan Areas: A Case Study of Seoul, Korea” Michigan State University Environmental Science and Policy Program Research Symposium: Environmental Health, East Lansing, MI. November 11th, 2016.
- Presenter, “Drought Impacts on Wheat Production in the Canadian Prairie” Argonne

National Laboratory's Undergraduate Symposium Conference, Lemont, IL. November 7th, 2014.

SELECTED PUBLICATIONS

Peer-Reviewed Publications in Review

- **Miguel Andres, U**; Mansker, B.; Suttles, S.; Naramore, S. Understanding the relationship between limited food access and health outcomes of children with obesity. *Pediatric Obesity* (In review, November 2023)

Technical Publications:

- Steiner, E.; Nowlin, M.; Townsley, J.; Nannery, R.; **Miguel Andres, U.**; Kandris, S. Equity in Economic Opportunity: How Race, Place, and Class Impact Economic Mobility in Indianapolis. SAVI Community Trends; Spring 2021. <https://www.savi.org/wp-content/uploads/2021/03/Equity-in-Economic-Opportunity-Online-PDF.pdf>
- Nannery, R.; Steiner, E.; Smith, S.; **Miguel Andres, U.**; Colbert, J.; Nowlin, M. Equity in Criminal Justice: The Cradle to Prison pipeline in Indianapolis. SAVI Community Trends; Fall 2021. <https://www.savi.org/wp-content/uploads/2021/11/Equity-and-Criminal-Justice.pdf>
- Townsley, J.; **Miguel Andres, U.**; Nowlin, M. June, 24, 2021. The Lasting Impacts of Segregation and Redlining. SAVI Community Information System. <https://www.savi.org/2021/06/24/lasting-impacts-of-segregation/>
- **Miguel Andres, U.**; Nowlin, M.; Tepe, R. November 2019. Getting Groceries: Food Access Across Groups, Neighborhoods, and Time. SAVI Community Information System. <https://www.savi.org/wp-content/uploads/2019/11/SAVI-Talks-2019-Final-Draft-Digital.pdf>

Other Publications:

- **Miguel Andres, U.** State-wide food desert equity study developed for Side Effect Public Media & the Indianapolis Recorder. Initially featured on: Powell, H. January 29th, 2021. *More than A Quarter of Black Hoosiers Stranded in Food Deserts*. Side Effect Public Media.
- **Miguel Andres, U.** State-wide food desert equity study developed for Side Effect Public Media & the Indianapolis Recorder. Initially featured on: Powell, H. January 29th, 2021. *More than A Quarter of Black Hoosiers Stranded in Food Deserts*. Side Effect Public Media. Read [here](#). Also featured in the IU in the News newsletter, [here](#).
- **Miguel Andres, U.** State-wide internet equity study developed for Side Effect Public Media & the Indianapolis Recorder. Initially featured on: Yousry, F. February 26th, 2021. *With Telemedicine On The Rise, Black Americans Risk Being Left Behind*. Side Effect Public Media. Read [here](#).

HONORS & AWARDS

- November 2019. Annual Meeting Enrichment Fund Award. American Association of Geographers (\$495).
- Spring 2017. 2016-2017 Outstanding Graduate Assistant Award. BSU, Department of Urban Planning.
- Fall 2016. Travel Fund. BSU, Department of Urban Planning. (\$150)
- Spring 2016. Student Grant. APA International Division. (\$1,000).
- Spring 2016. ASPIRE Student Research Grant. BSU, Sponsored Projects Administration. (\$450).

- Fall 2015- Spring 2017. Graduate Assistantship, Ball State University Department of Urban Planning.

SOFTWARE SKILLS

- GIS software including ArcGIS Desktop, ArcGIS Pro, ArcGIS online, and spatial interoperability tools including FME & model builder.
- Microsoft technology tools including processing tools (Access, Visual Studio) analysis tools (Tableau, PowerBI, Excel) and project management (Teams, Project, Forms)
- Statistical analysis software (STATA, R).
- Graphics software packages including Adobe Photoshop, Illustrator, and InDesign.

PROFESSIONAL MEMBERSHIPS

- American Association of Geographers (2019-Present)
- American Planning Association (APA) (2015-Present)
 - a. APA Food Division (2020-present)
 - b. APA Natural Resources Division (2016 -Present)
 - c. APA Hazard Mitigation & Disaster Recovery Division (2017-Present)
 - d. APA International Division (2015- 2019)
 - e. APA Indiana Chapter (2015-Present)

PROFESSIONAL CERTIFICATIONS

- AICP Candidate (May 2018 – Present)