

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: “*Discovering a Biophilic Seoul*”

Lake Superior State University May 2015

B.S. Environmental Science - Policy and Management

Minors: Society and Environment; Geographic Information Systems (GIS)

Senior Research project: “*Drought Impacts on Wheat Productions on the Canadian Prairies*”

PROFESSIONAL EXPERIENCE

Division of Children’s Health Services Research, IU School of Medicine Indianapolis, IN

Data Analyst December 2021 – Present

- 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

GIS & Data Analyst

September 2017 – December 2021

- 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.

Community Informatics GIS Technician

June 2017 – September 2017

- 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.

Director

National

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

1st 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 10th, 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)