Kevin Haynes

Portfolio: http://www.geospatialcartography.com

Education

MS Geography (Western Michigan University)
MPA Public Policy and Administration, Nonprofit Leadership (Western Michigan University)
Cert Geographic Information Science (Western Michigan University)
BA Philosophy of Professional and Applied Ethics (Western Michigan University)

Honors: Cum Laude, Phi Beta Kappa, Pi Alpha Alpha, 2016 MPA Emerging Scholar Award
Study Abroad: One year in India at the University of Hyderabad
Geography Thesis: The Urban Morphology of Hyderabad, India: A Historical Geographic Analysis
Public Admin Project: Evaluating AlcoholEdu: Online Risk Reduction for International College Students

Professional Experience

Director, USC Campus GIS   Feb 2024-Present
University of South Carolina, College of Arts and Sciences
- Oversee the strategic development and implementation of GIS initiatives across campus.
- Collaborate with university stakeholders to identify opportunities for leveraging spatial data and technology to enhance education and research.

Environmental GIS Manager   Aug 2020-Feb 2024
South Carolina Military Dept. in the office of the Adjutant General (National Guard)
- Led the Environmental GIS section with the Facilities Management Dept. to maintain 20,000+ acres and oversee GIS projects and IT infrastructure to support military conservation.
- Executed a ~$ $250,000 annual budget and supervised one analyst, utilizing project management best practices like Kanban task definition to meet strategic goals.
- Developed geo-enabled ArcGIS dashboards and web apps to apply quantitative analysis to inform decision-making and develop solutions.

GIS Analyst   Jan 2020-Aug 2020
South Carolina Military Dept. in the office of the Adjutant General (National Guard)
- Conducted geospatial analysis to support the SC National Guard's COVID-19 mission.
- Critically analyzed data to develop models for testing and vaccination site selection.
- Developed a dynamic dashboard for multi-agency coordination and real-time data visualization to relocate hundreds of millions of dollars of resources around the state.

Engineering GIS Research Assistant   Aug 2019-Dec 2019
Engineering Division, Facilities Management Western Michigan University
- Coordinate with university stakeholders to conduct field surveys, data collection, and maintain the university's GIS geodatabase.

W.E. Upjohn Center for the Study of Geographical Change   Fall 2018
- Utilized ESRI software to conduct analysis to assist an avian biology dissertation committee quantify study site suitability across 5 Great Lakes states.

Geospatial Technology Teaching Assistant   Aug 2018 - Aug 2019
Western Michigan University
- Conducted geospatial technology labs for undergraduate and graduate courses including Introduction to Geospatial Technology, Remote Sensing of the Environment, and Geodatabase Design and GIS Workflows.

Global Program Research Assistant   Dec 2015 –Aug 2018
Haenicke Institute for Global Education
  •   Supported the Director of Global Programs and Faculty Development by evaluating
      international student services, partnerships, and orientation programs.

Select Publications and Public Presentations

Haynes, K. & Nolan, T. (2023) To Be a Geospatial Leader, Go Beyond the Technical. ArcNews
https://www.esri.com/about/newsroom/arcnews/to-be-a-geospatial-leader-go-beyond-thetechnical/

Haynes, K. et al (2023) GIS Program Success Factors Workshop. Carolina URSIA NCGIS
PreConference Workshops.

Haynes, K. & Jacobs, C. (2021) Geospatial Decision Making: The SC National Guard Data-Driven
COVID-19 Response. ESRI User Conference Presentation.
https://www.youtube.com/watch?v=dkPTbFhEqBg

Haynes, K. (2020) The Urban Morphology of Hyderabad, India: A Historical Geographic Analysis.
Master's Thesis. 5155. https://scholarworks.wmich.edu/masters_theses/5155/

Haynes, K. (2019) Urban Growth Modeling: the City of Hyderabad, India from 1600 to 2019.
Western Michigan University Asia Forum. https://wmich.edu/asia/asianforum

Grants

$1000 Lucia Harrison Endowment Research Grant 2019
$2000 Claude and Nancy Phillips International and Area Studies Research Grant 2019
$1000 Western Michigan University Graduate College Research Grant 2019
$5000 Fulbright Association of Michigan Chapter Grant 2017
$1000 Council on International Educational Exchange Grant 2013
$1000 Western Michigan University Study Abroad Grant 2013
$800 Western Michigan University Philosophy Conference Grant 2012
$500 Western Michigan University Center for the Humanities Grant 2012

Volunteer Activities

President   2022-2024
URISA – Carolina Chapter
  •   Elected to serve 300+ URSIA Carolina chapter members to build capacity among the GIS
      community through professional development, financial development, and recruitment.
Grant-Writer   2016-2018
Fulbright Association Michigan Chapter
Research Intern   Jan 2015 – May 2015
Center for Human Security Studies, Hyderabad, India
Intern
Shaheen Women's Resources and Wellness Centre, Hyderabad, India   Sept 2013 – Dec 2013

Publicity

(2024). South Carolina National Guard Boosts GIS Work with Briefings. ArcNews.
https://www.esri.com/about/newsroom/arcnews/south-carolina-national-guard-boosts-gis-work-with-briefings-in-arcgis-storymaps/

Lanclos, R & Geraghty, E. (2021, Jan 26). South Carolina National Guard Ramps Up Vaccine Support after a Year of COVID-19. ESRI Blog. https://www.esri.com/about/newsroom/blog/south-carolina-guard-guides-covid19-missions/

(2021, Nov 24). వేగంగా పెరిగిపోతున్న హైదరాబాద్.. సంగారెడ్డి వైపు బూమ్ - Hyderabad is growing rapidly… booms toward Sangareddy. Namasthe Telangana https://www.ntnews.com/hyderabad/real-estate-growing-city-hyderabad-319770

Akbar, S. (2020, Apr 20). Epidemics shaped Hyderabad, social distancing in 1920s created Banjara, Jubilee Hills suburbs. Times of India. https://timesofindia.indiatimes.com/city/hyderabad/epidemics-shaped-city-social-distancing-in-1920s-created-banjara-jubilee-hills-suburbs/articleshow/75242839.cms

Akbar, S. (2020, Apr 22). How Epidemics Shaped a City. Times of India+. https://timesofindia.indiatimes.com/india/how-epidemics-shaped-a-city/articleshow/75291861.cms

Certification and Training

- Creating Web Apps with ArcGIS Experience Builder – ESRI Instructor Led - 2024
- Python (Arcpy) – ESRI Instructor Led – 5/3 – 5/5/2023
- Field Data Collection and Management using ArcGIS Instructor Led- 2/16/2023
- Agile Project Management Fundamentals – Midlands Technical College 4/2020
- URISA GIS Leadership Academy - St. Petersburg, FL - 11/2020
- National Emergency Management Basic Academy - FEMA - 8/2020-10/2020
    - o 0101 Fundamentals of Emergency Management
    - o L0102 Science of Disaster o L0103 Planning Emergency Operations
    - o L0146 Homeland Security Exercise and Evaluation Program (HSEEP)
    - o L0105 Public Information and Warning
- Disaster Intelligence Workshop - South Carolina Emergency Management Division 2/20/20 - 2/21/20
- National Emergency Management Institute Professional Development Series – 2020
    - o IS-200: Basic Incident Command System for Initial Response
    - o IS-230: Fundamentals of Emergency Management
    - o IS-235: Emergency Planning
    - o IS-240: Leadership and Influencing
    - o IS-241: Decision Making
    - o IS-242: Effective Communication
    - o IS-244: Developing and Managing Volunteers
    - o IS-700: National Incident Management System, An Introduction
    - o IS-120: Introduction to Exercise
    - o IS-100: Introduction to the Incident Command System
- FEMA IS-800: National Response Framework, An Introduction 03/04/2020
- Creating and Editing Data with ArcGIS Pro Instructor Led – 05/2020
- ArcGIS Pro 1 & 2: Essential Workflows Instructor Led - 04/2020

Technology Skills

- **Geographic Information Systems**: ArcGIS Pro, ArcGIS Enterprise Portal 10.1 and 11.1, and ArcGIS Online, ArcGIS Image Server, ArcGIS Fieldmaps, QGIS, GeoDa, MultiSpec, and ENVI
- **UAS**: Phantom 4 Pro Quadcopter, Inspire Quadcopter, and Parrot Disco,
- **Digital Photogrammetry**: Pix4D, ArcGIS Drone2Map
- **UAS Sensors**: Sequoia Multispectral Sensor, and Flir Thermal Infrared Sensor
- **Graphic Design**: Adobe Creative Cloud (Illustrator, Photoshop, InDesign, Premiere Pro
- **Office**: Oce and HP large format Plotters