

Ethan Crawford

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EDUCATION

University of Illinois at Urbana-Champaign (UIUC)

B.S. Geography & GIS, GIS Concentration

Minors: Urban & Regional Planning; Global Labor Studies

Expected Spring 2026

RESEARCH EXPERIENCE

UIUC School of Labor & Employment Relations

Independent Researcher (Faculty-Advised)

Champaign, IL

Spring 2026 – Present

- Designing a large-scale ArcGIS StoryMap documenting the political economy of the Agricultural Workers Organization (AWO) during its 1915–1917 organizing campaign across the American Midwest.
- Integrating 1910 and 1920 U.S. Census demographic and occupational data to spatially map labor migration patterns, population distribution, and economic conditions shaping early farm worker organizing.
- Synthesizing archival and quantitative sources into a unified geospatial narrative, applying census data normalization and attribute management across multi-decade datasets.

PROFESSIONAL EXPERIENCE

UIUC Department of Urban & Regional Planning

Research Assistant

Champaign-Urbana, IL

December 2023 – June 2024

- Edited and maintained GIS datasets in ArcGIS Pro to reflect climate vulnerability and infrastructure response data for the 2022 Pakistan floods, applying QA/QC techniques to ensure spatial accuracy and data integrity.
- Developed and queried spatial databases to support analysis of disaster impact across the Balochistan region, documenting data sources, field corrections, and methodology.
- Produced ArcGIS StoryMaps and web-based map deliverables to communicate findings to non-specialist audiences, translating complex spatial data into clear, decision-ready reports.
- Collaborated with faculty and international researchers to reconcile conflicting data sources, identify inconsistencies in archival records, and standardize dataset structure across project phases.

The University YMCA of Illinois at Urbana-Champaign

Resource Development Fellow – Build Team

Champaign, IL

August 2025 – May 2026

- Designed structured toolkits and resource guides in Figma and Adobe InDesign, managing version control and iterative updates across a multi-person team.
- Deployed and maintained content through Webflow, coordinating publishing schedules and troubleshooting platform issues to ensure consistent availability.

WPGU Radio Station

Radio Show Host

Champaign, IL

January 2023 – August 2024

- Hosted a live weekly program and coordinated with station staff on scheduling and operations, demonstrating reliable communication and cross-team collaboration over an 18-month tenure.

SKILLS

ESRI / GIS: ArcGIS Pro, ArcGIS Online, ArcGIS Enterprise Portal, ArcGIS StoryMaps, Survey123, QGIS

Remote Sensing & Analysis: Google Earth Engine, ENVI 5.3, GeoDa, Spatial Analysis, Remote Sensing

Programming & Data: Python, HTML/CSS, JavaScript, Open Data Portals, Census Data, Microsoft Office Suite

Design & Communication: Figma, Adobe InDesign, Adobe Illustrator, Adobe Photoshop, Canva, Webflow

RELEVANT COURSEWORK

Spatial Analysis • Health Applications of GIS • Introduction to GIS I & II • Remote Sensing I & II

Urban & Regional Planning Seminar • Global Labor Studies