

CURRICULUM VITAE

Jing Huang, Ph.D.
Postdoctoral Research Associate
Anita Zucker Center for Excellence in Early Childhood Studies
University of Florida
PO Box 117050
Gainesville, FL 32611-7050
jing.huang@ufl.edu

EDUCATION

Graduate

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|-------------|---|-------|
| August 2024 | University of Florida, Gainesville, Florida
Research and Evaluation Methodology
College of Education
GPA 3.95 | Ph.D. |
| August 2016 | Louisiana State University, Baton Rouge, Louisiana
Geography
GPA 3.89
Thesis “Detecting the spatial patterns of blue-green algae in Harsha Lake using Landsat imagery” using arcgis, arcpy, R, and ENVI. | M.S. |
| June 2012 | East China Normal University, Shanghai, China
Geography
GPA 3.89
Thesis “The storm surge hazard analysis of seaports in China – take Shanghai Yang Shan Deep-water Port as a case” using arcgis, arcgis Model Builder, DHI MIKE, and MATLAB. | M.S. |

Undergraduate

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| June 2009 | Qufu Normal University, Shandong, China
Geography Education
GPA 3.50
Thesis “The spatial and temporal distribution of air quality of key environmental protection cities in China” using mapinfo and SPSS. | B.S. |
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RESEARCH INTERESTS

- Early Childhood Education Policy
- Educational Measurement and Data Science
- Geospatial Analysis

EXPERIENCE

- Nov. 2019 – **Graduate Research Assistant**
Aug. 2024 ***The Early Childhood Policy Research Group (ECPRG), Anita Zucker Center for Excellence in Early Childhood Studies, University of Florida, Gainesville, Florida***
- Geocoded, maintained, and visualized geospatial big data using ArcGIS Desktop, ArcGIS Pro, and QGIS in educational and public health fields.
 - Routinely conducted data quality checking and index calculation using R and SAS enterprise.
 - Processed and analyzed large educational, demographic, and socioeconomic datasets from multiple data sources.
 - Interactive data visualization and web mapping using ArcGIS online.
 - Conducted research on early childhood studies (e.g., accessibility analysis, multilevel analysis).
 - Prepared data analysis reports.
- Oct. 2016 – **GIS Data Editor and Publisher**
May 2017 ***BNSF Railway Company, Fort Worth, Texas***
- Processed GIS change requests using linear referencing in an ArcGIS versioned database to support Positive Train Control System.
 - Performed editing and analysis involving LiDAR Point Cloud, Trimble SSF and ESRI GIS data formats.
 - Performed data maintenance and QA/QC tasks utilizing ArcGIS Desktop and in-house tools.
 - Published GIS change in each subdivision to real time Network Control System Client.
 - Recorded, communicated and released detailed change notes.
- Aug. 2014 – **Graduate Assistant (GIS Analyst)**
Aug. 2016 ***Office of Facility Service, Louisiana State University, Baton Rouge, Louisiana***
- Maintained the database of LSU parking and facility service system using ArcGIS Geodatabase.
 - Collected and interpreted campus landscape and facility data (e.g., Golf Course, Live Oak trees, Street Lights) using Trimble GPS in field work, Airborne Remote Sensing imagery and Google Earth.
 - Processed the GPS data by Pathfinder Software and visualized these data by making digital liveoak map and streetlight map using ArcGIS Desktop.
 - Published map service to ArcGIS Online or to local ArcGIS Server based on ArcSDE and SQL Server.
 - Developed interactive web maps (e.g., Street Lights) using ArcGIS API for Javascript, CSS, and Bootstrap.

Aug. 2013 – **Graduate Assistant (GIS Analyst)**
May 2014 **Emergency Operations Center, Louisiana State University, Baton Rouge, Louisiana**

- Created static maps using ArcGIS.
- Maintained the geodatabase of LSU parking system.
- Transformed data between different software (e.g., AutoCAD, ArcGIS, Microsoft Excel).
- Digitized and collected campus parking lots information and landscape data based on field work, Airborne Remote Sensing imagery, and Google Earth.
- Updated online parking map.

PUBLICATIONS

1. Hu, Y., Sherlock, P., **Huang, J.**, Knopf, H. T., & Hall, J. M. (2024). Unveiling spatial mismatch in childcare supply and demand: An excess commuting analysis of home-to-childcare distance in subsidized families. *Journal of Transport Geography*, 116, 103829. <https://doi.org/10.1016/j.jtrangeo.2024.103829>
2. Huggins-Manley, A. C., **Huang, J.**, Danso, J. A., Li, W., & Leite, W. L. (2024). Classroom assessment and instructional modes: An exploration of school-level contextualized psychometric challenges. *The Journal of Experimental Education*, 92(3), 513-530. <https://doi.org/10.1080/00220973.2023.2201171>
3. Hu, Y., & **Huang, J.** (2023). Delineating and comparing local labor market geographies of Millennials, Generation Xers, and Baby Boomers. *Travel Behaviour and Society*, 30, 325-334. <https://doi.org/10.1016/j.tbs.2022.10.012>
4. Wang, J., Dong, J., **Huang, J.**, Chen, Z., & Xu, S. (2014). Evolution trend analysis of Nearshore seabed in Yangshan Deep-water Port, China. *Journal of Coastal Conservation*, 18(1), 17-25. <https://doi.org/10.1007/s11852-013-0290-z>
5. Ye, M., Wang, J., **Huang, J.**, Xu, S., & Chen, Z. (2012). Methodology and its application for community-scale evacuation planning against earthquake disaster. *Natural Hazards*, 61(3), 881-892. <https://doi.org/10.1007/s11069-011-9803-y>
6. **Huang, J.**, Ye, M., Wang J., Xu, S., Chen, Z., & Liu, Y. (2011). Methodology of earthquake evacuation zoning based on GIS. *Scientia Geographica Sinica*, 31(2), 204-210. <https://doi.org/10.13249/j.cnki.sgs.2011.02.204>
7. **Huang, J.**, Liu, Y., Chen, Z., Wang, J., & Ye, M. (2011). An investigation of human settlement environment of typic black-odor rivers in Wenzhou. *Journal of East China Normal University (Natural Science)*, 1, 172-178.
8. Wang, J., Xu, S., Ye, M., & **Huang, J.** (2011). The MIKE model application to overtopping risk assessment of seawalls and levees in Shanghai. *International Journal of Disaster Risk Science*, 2(4), 32-42. <https://doi.org/10.1007/s13753-011-0018-3>

9. **Huang, J.**, Wang, J., Ye, M., Chen, Z., & Xu, S. (2011). The hazard-formative environment evolution of storm surge hazard in Yang Shan Port, China. *2011 19th International Conference on Geoinformatics*.
<https://doi.org/10.1109/GeoInformatics.2011.5980855>

TECHNICAL REPORT, POLICY BRIEFS, & RESEARCH

1. The Early Childhood Policy Research Group (ECPRG). (2023, May). *Economic Self-Sufficiency Analysis (ESSA) 2023 Annual Report*. [Submitted to the Florida Division of Early Learning]. Anita Zucker Center for Excellence in Early Childhood Studies, University of Florida.
2. **Huang, J.**, Sherlock, P. R., & Knopf, H. T. (2022, June). *Examining the Associations Between School Readiness Providers' CLASS Scores and Gold Seal Accreditation*. [Submitted to the Florida Division of Early Learning]. Anita Zucker Center for Excellence in Early Childhood Studies, University of Florida.
3. Sherlock, P. R., Knopf, H. T., **Huang, J.**, & Schreiber, M. (2022, June). *Florida School Readiness Households Using Multiple Services*. [Submitted to the Florida Division of Early Learning]. Anita Zucker Center for Excellence in Early Childhood Studies, University of Florida.
4. The Early Childhood Policy Research Group (ECPRG). (2022, May). *Economic Self-Sufficiency Analysis (ESSA) 2022 Annual Report*. [Submitted to the Florida Division of Early Learning]. Anita Zucker Center for Excellence in Early Childhood Studies, University of Florida.
5. Knopf, H. T., Sherlock, P., Schreiber, M. Pages, R., **Huang, J.**, & Treverton, B. (2022, January). *Mid-year status report for the Sunshine State Early Childhood Information Portal*. [Submitted to the Florida Division of Early Learning]. Anita Zucker Center for Excellence in Early Childhood Studies, University of Florida.
6. **Knopf, H. T.**, Sherlock, P., Schreiber, M. Pages, R., Huang, J., & Treverton, B. (2021, June). *The Sunshine State Early Childhood Information Portal: Annual progress report*. [Submitted to the Florida Office of Early Learning]. Anita Zucker Center for Excellence in Early Childhood Studies, University of Florida.
7. Schreiber, M., Knopf, H. T., & **Huang, J.** (2021, October). *Child care access in Sarasota County: Final report of findings*. [Submitted to the Barancik Foundation]. Anita Zucker Center for Excellence in Early Childhood Studies, University of Florida.
8. Knopf, H. T., Sherlock, P. R., Schreiber, M., **Huang, J.**, Wang, Y., Li, J., & Bates, J. (2021). *Sunshine State Early Childhood Information Portal Annual Report (Year 2)*. Anita Zucker Center for Excellence in Early Childhood Studies, University of Florida.

9. Knopf, H. T., Sherlock, P. R., Schreiber, M., **Huang, J.**, Wang, Y., Li, J., & Bates, J. (2020). *Sunshine State Early Childhood Information Portal Annual Report (Year 1)*. Anita Zucker Center for Excellence in Early Childhood Studies, University of Florida.
10. Knopf, H. T., Sherlock, P. R., **Huang, J.**, & Bates, J. (2020). *Studying the Impact of HB1091 on Child Care Access in Hillsborough County*. Anita Zucker Center for Excellence in Early Childhood Studies, University of Florida.

CONFERENCE PRESENTATIONS & POSTERS

1. **Huang, J.**, Sherlock, P. R., & Knopf, H. T. (2022, June 27-29). *Potential vs. actual access to subsidized childcare in Hillsborough County, FL*. The Administration for Children and Families' National Research Conference on Early Childhood (NRCEC).
2. Schreiber, M., Knopf, H. T., & **Huang, J.** (2022, June 27-29). *Using childcare provider price and quality to measure childcare access in Sarasota County*. The Administration for Children and Families' National Research Conference on Early Childhood (NRCEC).
3. **Huang, J.**, Danso, J., Huggins-Manley, A. C., Li, W., & Leite, W. L. (2021, Nov. 17-19). *Classroom assessment during the 2020 twin pandemics: An exploration of contextual features of psychometric challenges*. Florida Educational Research Association (FERA), Tampa, FL, United States.

INVOLVED PROJECTS

Jul. 2023 – Jun. 2028	Sunshine State Early Childhood Information Portal, Florida Division of Early Learning, \$7,727,242 (PI – Knopf, H. T.)
Apr. 2022 – May 2023	Orange County Child Care Access Project. Funded by the Early Learning Coalition of Orange County and the Helios Foundation, \$29,961 (PI – Knopf, H.T.)
Oct. 2021 – Sep. 2022	Early Learning Coalition of Palm Beach County Evaluation of Client Services. Funded by Early Learning Coalition of Palm Beach County, \$46,240 (PI – Knopf, H.T.)
Jun. 2021 – Oct. 2021	Studying Child Care Access in Sarasota. Funded by Charles and Margery Barancik Foundation, \$23,967 (PI – Knopf, H.T.)
Jul. 2020 – Jun. 2023	Sunshine State Early Childhood Information Portal: Florida's Early Childhood Integrated Data System Years 2 through 4. US Administration for Children and Families Preschool Development Grant B-5, Florida's Office of Early Learning, \$2,474,898 (PI – Knopf, H.T.)

- Mar. 2020 – Jun. 2020 Studying the Impact of HB1091 on Child Care Access in Hillsborough County. Early Learning Coalition of Hillsborough County, \$12,767 (PI – Knopf, H.T.)
- Nov. 2019 – Jun. 2020 Sunshine State Early Childhood Information Portal: Florida’s Early Childhood Integrated Data System. US Administration for Children and Families Preschool Development Grant B-5, Florida’s Office of Early Learning. (July 2019-June 2020), \$732,390 (PI – Knopf, H.T.)