

# YANG JUE

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## EDUCATION:

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### August 2018-present

- **University of Georgia** (*Doctoral Degree*), Athens, Georgia, USA
- Education Major: Geography
- Dissertation Topic: Measuring and correlating environment and physical activity with youth health in Georgia

### August 2016-May 2018

- **University of Florida** (*Master's Degree*), Gainesville, Florida, USA
- Education Major: Geography
- Thesis Topic: Understanding spatial-temporal changes of access to healthcare: an analytic framework for local factor impacts

### September 2011-June 2015

- **Hunan Normal University** (*Bachelor's Degree*), Changsha, Hunan, China
- Education Major: Geographic information Science
- Thesis Topic: The spatial and temporal distribution of hand, foot, and mouth disease in hunan during 2013-2014

### August 2013- May 2014

- **California State University** (*Academic Exchange*), Fresno, California, USA
- Education Major: Geography

## Research Interests:

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- Geospatial science application on human health and surrounding environment interaction
- Analysis the relationship between human mobility towards the human health by spatial and temporal analysis
- Spatial modelling and algorithm development

## RESEARCH EXPERIENCES:

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### April 2021- present

- **Microsoft Azure AI Compute Grant Team member**
  - Web/App Developer

### August 2019-May 2021

- 2019 President's Interdisciplinary Seed Grant Program: **Impact of school and surrounding environment on implementation of Georgia's statewide childhood obesity policy**
  - Developed Georgia Youth Health Data portal by ArcGIS Hub
  - Spatial analysis youth fitness and environment base on GWR model
  - Visualization youth health environment
  - News: Researchers map unequal impact of COVID-19 GIS analysis and

visualization

(UGA Today <https://news.uga.edu/researchers-map-unequal-impact-covid-19/>)

#### **May 2020- May 2021**

- **Economic Evaluation Research Group**--COVID 19 related studies (UGA public health <https://eerg.publichealth.uga.edu/>)
  - Create ArcGIS Dashboards for COVID-19 and Youth Health Dataset
  - Socio-demographic and health vulnerability map
  - Cases and incidence from March to June with vulnerability index
  - Cases and cumulative incidence for 2020 with vulnerability index

#### **August 2016-August 2017**

- 2016 UFII Seed Fund: **Developing temporally comparable high resolution rurality maps for social and health sciences**
  - **Developed High resolution rurality map**
  - **Spatial analysis for late-stage breast cancer by using GWR model base on R**

#### **June 2014-August 2014**

- Internship on medical geography in summer
  - Data processing on patients of hand-foot-mouth disease in Hunan Province
  - Vectorization on the map of Hunan Province

#### **July 2013-August 2013**

- Internship in Mount Lu
  - Field work on Mount Lu's geology and topography

#### **SKILLS:**

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- Spatial data process (ArcMap, ArcGIS pro)
- Programming (R, Python)
- Statistical Analysis (Microsoft Excel, JMP, R, SPSS)
- Spatial Online website (ArcGIS Dashboard, ArcGIS Hub, etc.)

#### **PULICATIONS:**

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AN Yang, **J Yang**<sup>\*</sup>, D Yang, RT Xu, YQ He, A Aragon, Q Han (2021) Human Mobility to Parks under the COVID-19 Pandemic and Wildfire Seasons in the Western and Central United States. *GeoHealth* (Under review)

**J Yang**, JR Thapa, L Mu, DL Zhang, K Thapa (2021) Physical Activity Environment Inside and Outside School and Youth Fitness in the State of Georgia: A Spatial Analysis at the Level of Elementary School Attendance Zone. *Children's geographies* (Under review)

D Yang, AN Yang, **J Yang**, RT Xu, H Qiu (2021) Unprecedented Migratory Bird Die-off: A Citizen-based Analysis on the Spatiotemporal Patterns of Mass Mortality Events in the Western United States. *GeoHealth*

**J Yang**, J Tan, L Zheng, CX Lu, WQ Hou, Y Liu, QF Li, JX Li, D Cheng, X Lou, J Zhang (2020). Plasma BDNF and TrkB mRNA in PBMCs Are Correlated With Anti-depressive Effects of 12-Weeks Supervised Exercise During Protracted Methamphetamine Abstinence. *Frontiers in Molecular Neuroscience*.

L Yaghjian, CR Cogle, G Deng, **J Yang**, P Jackson, N Hardt, J Hall, Mao, L(2019) Continuous Rural-Urban Coding for Cancer Disparity Studies: Is It Appropriate for Statistical Analysis? International Journal of Environmental Research and Public Health

L Mao, **J Yang**, G Deng (2018). Mapping rural–urban disparities in late-stage cancer with space-time rurality index and GWR. Spatial and Spatio-temporal Epidemiology

**J Yang**, L Mao (2018). Understanding temporal changes of spatial access to healthcare: an analytic framework for local factor impacts. Health and Place.

**Grant:**

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2021	Azure Compute Credit Grant, Microsoft A	\$15000
2018	University of Florida Travel Grant	\$300
2014	California State University, Fresno Conference Travel Grant	\$1000

**Conference:**

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**J Yang**, L Mu, J Rajbhandari-Thapa, K Thapa, J Gay, D Zhang Geographic pattern and variation of childhood physical activity, physical fitness and their association with the built environment in Georgia. APHA's 2020 VIRTUAL **Annual Meeting and Expo**. Oct.24-28,2020

**J Yang**, L Mu, H Tim, L Zheng Geospatial Analysis of Health Status Drug Addicts in Sichuan, China. **2019 AAG Annual Meeting**. April 3-7, 2019

**J Yang**, L Mao. Understanding temporal changes of spatial access to healthcare: an analytic framework for local factor impacts. **2018 AAG Annual Meeting**. April 10-14,2018