

YANGHE LIU

liuyanghe@ufl.edu

EDUCATION

UNIVERSITY OF FLORIDA

Ph.D. in Urban and Regional Planning, College of Design, Construction, & Planning

- Advisor: Dr. Zhong-ren Peng
- Research Interests: AI-Enabled Urban Planning; Smart Cities; Growth Management

Gainesville, FL

Aug. 2021 –

UNIVERSITY OF FLORIDA

M.S. in Electrical and Computer Engineering

Gainesville, FL

Aug. 2022 –

UNIVERSITY OF PENNSYLVANIA

Master of City Planning, Stuart Weitzman School of Design

- Concentration: Land Use – Environmental Planning

Philadelphia, PA

Aug. 2017 – May 2019

UNIVERSITY OF CALIFORNIA, BERKELEY

B.A. Urban Studies, College of Environmental Design

- Minor: Sustainable Environmental Design; IEOR
- Thesis: Management, Trade, and Integration of 21st Century Twin Cities on U.S. and Mexico Border

Berkeley, CA

Aug. 2011 – Aug. 2016

PUBLICATIONS

Liu, Yanghe. “The UK Prosperity Fund Global Future Cities Programme’s Sustainable Development Goals Project Assessment Tool: A Case Study of SDGs’ Implementation in Cape Town, South Africa.” *Global Urban Competitiveness Report* (2021).

Liu, Yanghe. “The Role of Smart Mobility in Sustainable and Inclusive Urban Development: Challenges and Strategies of Iskandar Malaysia, Melaka, and Best Practices from West Midlands, UK.” *Global Future Cities Programme* (2020).

Liu, Yanghe, and Boettcher, Paul. “Planning for and Planning with Communities to Create Future Cities for All.” *Global Future Cities Programme* (2020).

RESEARCH EXPERIENCE

UNIVERSITY OF FLORIDA

Research Assistant

- Topic: Examining Data Needs and Implementation Process of AV-based Microtransit Service: A Case Study in Lake Nona
- Funded by the Florida Department of Transportation (FDOT)
- To collect and analyze baseline information for future BUILD grant evaluation.
- To develop an assessment framework measuring the effectiveness of AV-based microtransit systems.
- To monitor, document and evaluate lessons learned in the implementation process of AV-based microtransit services.

Gainesville, FL

May 2021 – Present

UNIVERSITY OF FLORIDA

Research Assistant

- Topic: Microtransit and Micromobility Inventory in the State of Florida
- Funded by the Florida Department of Transportation (FDOT)
- To inventory all forms of microtransit and micromobility in Florida.
- To map the geofenced service areas and identify their relationship with transit agencies.

Gainesville, FL

May 2021 – Mar. 2022

URBAN PLANNING & DESIGN LAB, UN-HABITAT

Urban Planning Intern Researcher

- Topic: Implementation of the United Nations’ SDG Tools
- Funded by the UK Government
- Reviewed the implementation of UN’s SDG Project Assessment Tool in Cape Town, South Africa.
- Investigated the process and key strategies of using the SDG tool to assess the city’s new integrated data system.

Nairobi, Kenya

Aug. 2020 – Apr. 2021

INSTITUTE OF GOVERNMENTAL STUDIES, UC BERKELEY

Undergraduate Research Assistant

Berkeley, CA

Feb. 2016 – May 2016

- Topic: Sister Cities in Contemporary Era
- Assisted Prof. Michel Laguerre with his book *Global City-Twinning in the Digital Age*.
- Gathered literature review materials of Shanghai - San Francisco's partnership, including official memos and news reports.

CITY AND REGIONAL PLANNING DEPARTMENT, UC BERKELEY

Independent Capstone Research

Berkeley, CA

Jan. 2015 – Jun. 2015

- Topic: El Paso – Ciudad Juarez, Borderland Twin Cities
- Capstone research funded by the Chung's Leadership Prize
- Examined the decreasing influence of the U.S.-Mexico national barrier and the integration of the borderland twin cities.
- Conducted field research in El Paso, TX, interviewing government official and explore borderland informal settlements.

AWARDS & CERTIFICATES

UF COLLEGE OF DESIGN, CONSTRUCTION AND PLANNING

The Witters Competition

Gainesville, FL

Feb. 2022

- \$1000 category prize in urban and regional planning

UC BERKELEY COLLEGE OF ENVIRONMENTAL DESIGN

CED Circus Winner

Berkeley, CA

Mar. 2017

- Best thesis research and lightning talk of the 2017 Berkeley CED Circus

UC BERKELEY COLLEGE OF ENVIRONMENTAL DESIGN

Chung Leadership Prize

Berkeley, CA

Aug. 2015

- \$1000 grant awarded for conducting thesis research & public service internship

CHINESE CONSULATE GENERAL IN SAN FRANCISCO

CSSA Leadership Award

San Francisco, CA

Aug. 2014

- Distinguished leadership and academic achievement award for Chinese students overseas

FUGE TECH. FOR CULTURE & TECHNIC.

UG NX CAD & AutoCAD Designer Certificates

Shanghai, China

Sept. 2012

- Certified UG NX and AutoCAD designer

PROFESSIONAL EXPERIENCE

MININGLAMP TECHNOLOGY

Machine Learning Intern

Shanghai, China

May 2021 – Aug. 2021

- Examined Sophisticated Invalid Traffic (SIVT) prevention strategies
- Studied and performed click fraud detection through UUID entropy analysis

UNITED NATIONS HUMAN SETTLEMENT PROGRAMME

City Planning & Urban Design Intern

Nairobi, Kenya

Aug. 2020 – Apr. 2021

- Participated in the strategic planning phase of the Global Future Cities Programme
- Drafted city summaries of diagnostic and urban context reports for 8 cities in ASEAN

COLOMA RIVER CAPITAL, LLC

Head Planning Intern

Washington DC

Jun. 2018 – Aug. 2018

- Proposed a master plan for the Fairfield Development Project at Berryville, VA
- Performed quantitative analyses of land use, demographics, travel mode, and housing

TONGJI URBAN PLANNING & DESIGN INSTITUTE

Urban Planning Intern

Shanghai, China

Jun. 2017 – Aug. 2017

- Assisted senior planners with drafting the Ketapang New City Master Plan, Indonesia
- Supported the implementation of the overall site plan and the design of industrial parks
- Attended field research and environmental studies of West Kalimantan province's rural area