

Shadiya Alifu

999 Xi'an Road, Pidu District, Chengdu, Sichuan Province, China
+86 15828335853 | summerxxa99@gmail.com



EDUCATION

Southwest Jiaotong University, China (Ongoing)

Sept. 2020 – Jun. 2025

Bachelor of Urban and Rural Planning (Top 15 in China)

RESEARCH EXPERIENCE

Research on the Influence of Built Environmental Characteristics on Indigenous Activities in the Dujiangyan Irrigation Area, China

Nov. 2023 – Present

Role: Principal Researcher Instructor: Kabilijiang Wumaier (Sichuan University, Distinguished Research Associate)

- Conducted multiple field research in rural regions between 2023-2024, distributing over 1,500 questionnaires.
- Applied Moran's I for NDVI assessment, Kernel Density for population distribution, and road density analysis.
- Analyzed the relationship between Activity Patterns and Body Mass Index (BMI) by Logistic Regression in SPSS and evaluated the impact of environments on life quality with the Kruskal-Wallis test.
- Comparing the living environment differences under the evolution of Urban and Rural Policies. Discussed the pros and cons of Clustered and Scattered rural communities, authored paper of National Innovation Program.

Intelligent Mapping in Parallel Reality: A Mixed Reality and Human-Computer Interaction (MRHCI) Approach to AR Jogging Applications

Jul. 2024 – Aug. 2024

Role: Principal Researcher Instructors: Jean-Claude Franchitti (New York University, Associate Professor); Junjun Pan (Beijing University of Aeronautics and Astronautics, Professor)

- Conducted research on the evolution and applications of Virtual Reality, explored Matrix Algorithm models.
- Utilized the Barracuda kit to develop a project in Python focused on object detection based on PyTorch.
- Using Google Geospatial Creator in Unity3D, implemented device tracking with ARCore. Combined UI Canvas to create a front-end Interactive Interface and programmed operational animations with C#.
- Directed a team that integrated features including customizable Urban Mapping and dynamic Virtual Social Interactions into a platform in Unity3D, and created a practical Business Model Canvas.

Preservation and Renaissance Strategies for the Traditional Architectural Heritage of Mucha Village in Xiangcheng County, Ganzi Prefecture

May. 2022 – Jun. 2023

Role: Principal Researcher Instructor: Hongtao Liu (Southwest Jiaotong University, Associate Professor)

- Field-interviewed the ethnic minorities in village of highland region, distributing over 400 questionnaires.
- Utilized ArcCatalog to establish a Geodatabase of topographical features, using AutoCAD and Rhino to model traditional architectural layouts and structures.
- Implementing Sustainable Preservation Strategies for the future development of Traditional Heritage Villages calls for authorities to develop rational tourism policies and promote local economic growth.

ACADEMIC ACHIEVEMENTS

- Bachelor's GPA: 84.45%, Top 14%
- National Scholarship Third Prize
- 2024 12th Future Designer: National College Digital Art Design Competition (NCDA)
National First Prize Aug. 2024
- Milan Design Week China Collegiate Design Competition & Exhibition
National Third Prize May. 2024
- WUPENCITY 2024 International Competition on Student Course Works of Urban Design
National Third Prize Aug. 2024

- **Provincial-Level National Project:**
Research on the Cultural Changes and Characteristic Development Pathways of Traditional Linpan Settlement Systems in Western Sichuan. 2024 | Approval Number: SCJJ24ND055
 - **Publications:**
C. Jin, Y. Yuan, **S. Alifu**, Z. Xu, Y. Li. Choices of Characteristic Industries and Spatial Optimization Strategies in Suburban Villages, Based on “Urban-Rural Mutual Support” Concept, *Proceedings of the 2024 China Urban Planning Annual Conference, 2024 (40)*
- S. Alifu.** Integrating Smart Transportation and Sustainable Development Goals: A Literature Review, *The 4th International Conference on Smart City and Green Energy, 2024 (Approved)*

PROFESSIONAL EXPERIENCE

- "Deep Blue" Interior Design Studio

Xinjiang, China

Intern, Design Assistant

Jul. 2020 – Sept. 2020

 - Conducted on-site measurements of layouts and drafted overall site plans using CAD.
 - Prepared construction material cost lists and acquired skills in managing construction details.
 - Communicated with clients to address their needs and deliver tailored professional services.
- The third Bureau of CSCEC (China State Construction Engineering Corporation)

Chongqing, China

Intern, Technology Assistant

Jul. 2024 – Sept. 2024

 - Acquired business negotiation skills and drafted bid documents.
 - Monitored project progress and collaboratively managed task execution.
 - Applied ArcGIS tools to assess environmental impacts and mastered BIM software.

EXTRACURRICULAR ACTIVITIES

- Head of the Promotion Department, 'Oxygen' Dance Group, University Art Troupe

Sept. 2020 – Sept. 2023

 - Strengthened cultural and artistic interactions, and expanded the influence of the art organization via social media.
 - Participated in over 20 dance performances and developed strong promotional and organizational skills.
- Director of the Publicity Department of the University International Affairs Centre

Sept. 2020 – Sept. 2022

 - Coordinated international events to foster a global learning atmosphere and expand students' perspectives.
 - Organized and conducted English language activities to boost students' cross-cultural communication skills.

SKILLS & INTERESTS

Skills: ArcGIS, SPSS, AutoCAD, Rhino, Academic Writing, Literature Review, Adobe (Illustrator, Indesign, Photoshop)
Language: Uighur, Mandarin, English (IELTS: 7.0, **Speaking 8.0**)
Certificates: Cambridge Business English Certificate (**Level B2**)
Interests: Yoga, Hosting, Swimming, Painting, Dancing (Ethnic Dance)