

Wenhan Wei

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Education

Peking University

Master of Landscape Architecture, GPA: 3.69/4.0

Exchange Student Scholarship

Technology Innovation Scholarship (top 15%)

Merit Student Honor of PKU (top 3 of the class)

Beijing, China

Expected June 2021

University of Zurich & ETH zurich

Exchange program, Geography(UZH) Architecture(ETH), GPA: 5.56/6.0

Zurich, Switzerland

Feb. 2020- July 2020

South China University of Technology

B.E. , Urban And Rural Planning, GPA: 3.73/4.0

National Scholarship

Merit Student Honor of SCUT

New Student Scholarship (top 5% of applicants)

Guangzhou, China

Sep. 2013- June 2018

Research Experience

Urban studies based on Surveillance video data

- Implemented object detecting and tracking algorithms
- Developed a standard, generalizable workflow that efficiently and accurately extracts walking trajectories
- Performed statistical analysis on data sets using ArcGIS and Python
- Participated in exhibition UABB 2019, China and presented results at departmental seminars and Government Co-operation Forum to 50+ audiences

Beijing, China

Sep. 2019- Present

Flight delay in America

- Conducted extensive data analysis via python
- Predicted departure delay based on departure time and departure airport
- Explored the relationship between flight delay and the departure location as well as departure time

Zurich, Switzerland

Feb. 2020- July 2020

Cultural Heritage's reddening: A study of Cultural Heritage in Beijing based on big data

- Directed data collection and research scheme which lead to the discovery of the Cultural Heritage's change in properties.
- Performed data analysis on data sets using Python and ArcGIS.
- Discovered the distribution pattern of classified Cultural Heritage and discussed the possible reason.

Beijing, China

Sep. 2019- Feb. 2020

How do users feel about color in the city? Research on urban color user perception based on VR and physiological data

- Designed and executed a user experiment based on VR to collect both physiological indicators and psychological questionnaire data.
- Built a model to explain the relationship between urban color and the perception of participants.
- Managed the exploring and training of the advanced equipment.

Beijing, China

Sep. 2019- Feb. 2020

Smart City Case Review

Beijing, China

- Reviewed the policy and organization of smart city construction in many countries. Sep. 2019- Feb. 2020
- Summarized the goals and landing schemes of smart city, and produced a case base.

Leadership/Teamwork Experience

President of Archiphilia(academic community) of SCUT

Guangzhou, China

Sep. 2016- Sep. 2017

- Leading a 20+ people team
- Organized monthly academic seminars and invite local architects and urban planners
- Planned two large-scale exhibitions to promote communication with universities in Hongkong and Guangdong province, China
- Run community media and podcasts and earned 5k+ subscribe in total

President of Public Relations Department of the college of Architecture, SCUT

Zurich, Switzerland

Feb. 2020- July 2020

- Responsible for the college's outreach work and established the architecture academic network in south China
- Earned sponsorship more than 150k RMB with the relations department members
- Responsible for the institute MI, BI, VI image design, maintenance and production of related products

Publications

Under Review

- Wenhan Wei, Yuqiao Deng, et al. *"Deterministic Pedestrian Behaviors by Environmental Factors? New Insights from Surveillance Video Evidence."* Cities.
- Zhang, Zijiao, Kangfu Zhuo, **Wenhan Wei**, et al. *"How Does the Color of Urban Space Affect People's Emotions? -Research on City Color Perception Based on Street View Pictures."* Environment International

Working Papers

- **Wenhan Wei**, Kangfu Zhuo, et al. *"Research on the Value Change of Everyday Cultural Heritage Based on Consumer Group Structure——Taking Beijing Time-Honored Brand as an Example."*

Competition Awards

- ikuku.cn: Ikuku Design Competition, *Thirdprize*
- Nansha Ocean Cup Design Competition, *Thirdprize*
- Urban Transportation Innovation Practice Competition 2017, *Thirdprize*

Skills

Computer/Technical: Python, MySQL, ArcGIS, Adobe Photoshop & Illustrator & Indesign, 3D Modeling

Language: Chinese (native), English (fluent)

Interests: Photography, Basketball, Fitness