

Zhuo Tang

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EDUCATION

Wuhan University (WHU) <http://en.whu.edu.cn/>

Wuhan, China, 09/2015-06/2019

- ✓ Degree: Bachelor of Science
- ✓ College: School of Resources and Environmental Sciences
- ✓ Major: Geography Science
- ✓ GPA: 3.58/4.0; Major GPA: 3.76/4.0
- ✓ GRE: Verbal: 153; Quantitative: 169; Writing: 4

University of California, Santa Barbara <https://www.ucsb.edu/>

Santa Barbara, USA, 03/2018-06/2018

- ✓ Exchange Program
- ✓ Courses: Behavioral Geography (A); Scientific Research Methods in Geography (A); GIS design and Applications (A)

MAJOR-RELATED EXPERIENCE

Habitat Quality Prediction in Hubei, based on Future Land Use Scenarios, Integrating FLUS & Invest Model 10/2017-09/2018

- ✓ Gathered various socio-economic data, land use data and climate data to predict future land use scenario in Hubei, using FLUS model;
- ✓ Predicted future habitat quality in Hubei based on the land use scenario;
- ✓ Became familiar with the theory of system dynamics and the operation of its software Vensim, which is incorporated in the FLUS model

Team Project: An Intelligent Recognition System for Gastroscopy 04/2017-09/2018

- ✓ Dealt with data sorting; proposed suggestions for the function improvement;
- ✓ Became familiar with the product's research and development process, and purpose; eventually completed two patent specifications: 'A non-invasive method for endoscopic tracking' & 'A Real-Time Assistant System and Method for Gastroscopy, based on Deep Learning'

Geographic Driving Force Analysis of the Hemorrhagic Fever with Renal Syndrome, based on Geodetector 12/2017-06/2018

- ✓ Studied all the HFRS cases in Jianli County and collected data including population, agricultural land area and aquatic production, etc. used ArcGIS to link the data to shapefiles of the study area;
- ✓ Conducted statistical method to specify some geographic driving factors for HFRS and made explanations about the results

Course Project of GIS Design and Applications (at UCSB): 04/2018-06/2018

- ✓ Analyzed information on the preference of students regarding house-specific and location characteristics, including price, noise, crime rate, etc., proposed personalized accommodation advice for them

Team Project: A Design of Auditing System of Natural Resources Assets, based on Multivariate Remote Sensing 02/2018

Data and Artificial Intelligence

- ✓ Cooperated and communicated with other members;
- ✓ Offered support in data management, like data collection and classification; drafted the thesis, completed proofreading and modification

Coverage Analysis and Suitability Evaluation of Relief Supplies Warehouse in China 05/2017

- ✓ Collected and sorted data from China Statistical Yearbook; conducted ArcGIS and calculated different indexes, including disaster risk index in different provinces, population density index, economic index, operation cost index and traffic accessibility, etc.; eventually evaluated the suitability to establish the warehouse for various cities.

Additional Course Projects or Assignments

- ✓ A Walkability Study of Wuhan University 07/2018
- ✓ A Design of Intelligent Safety Monitoring and Early Warning System for Danger of Underground Pipelines, based on the olfactory and visual sensor 12/2017
- ✓ Temporal Relationship between the Sunspots and the Extreme Weather, a Case Study in Wuhan 06/2017

TECHINICAL SKILLS & LANGUAGES PROFICIENCY

Language: Proficient in Mandarin Chinese (Native); English; Japanese (basic)

Computer: Skilled in Microsoft Office Software; Python, C++, Spatial Database

Professional Skills: Skilled in ArcGIS, remote sensing data processing software ENVI and Erdas, system dynamics software: Vensim

HONORS AND AWARDS

- The Third Prize (Provincial Level), China College Students' 'Internet Plus' Innovation and Entrepreneurship Competition 09/2018
- The Second Prize Scholarship of Academic Excellence, awarded by WHU 09/2017
- 2017 WHU Top Ten Outstanding Students Award (awarded as a member of the Petrel Choir of WHU) 05/2017
- The Third Place, 2016 WHU Golden Autumn Festival Chorus Competition (awarded as a member of College Choir) 11/2016
- The Second Place, 2016 WHU Golden Autumn Festival Sitcom Competition 11/2016
- The Third Prize Scholarship of Academic Excellence, awarded by WHU 11/2016
- Star of the General Affairs Department, WHU Student Association Instruction Center 09/2016

EXTRACURRICULAR ACTIVITIES

- Member & Deputy Leader*, Petrel Choir of WHU 09/2015-Present
- Member, Founder & Leader*, College Choir (School of Resources and Environmental Sciences) 03/2016-06/2017
- Secretary*, General Affairs Department, WHU Student Association Instruction Center 05/2019-06/2017
- Translator & Volunteer*, Jon Jablonski (Director of UCSB Interdisciplinary Research Collaboratory)'s Visit to Wuhan 08/2018
- Performer*, the 66th Festival of Young Artists Bayreuth in Germany (attended as a member of the Petrel Choir) 07/2016-08/2016