Beichen Tian

University of Wisconsin-Madison
Master of Science in Urban and Regional Planning
Email: btian8@wisc.edu
LinkedIn: https://www.linkedin.com/in/beichentiangis

EDUCATION

2016.09-2017.08 Department of Geography, **University of Wisconsin-Madison (In Progress)**

- **Major:** Geographic Information System Certificate
- **Courses:** Graphic Design in Cartography, Introduction to Cartography, Introduction to Geocomputing, GIS Applications (Spring 2017), Spatial Mobile Programming (Spring 2017)

2014.09-2016.05 Department of Urban and Regional Planning**, University of Wisconsin-Madison**

- **Major:** Urban and Regional Planning **GPA: 3.563 / 4.0**
- **Courses:** GIS for Planners, Methods of Planning Analysis, Sustainable City Planning, Application of GIS in Natural Resource, Graphics for Designers, Remote Sensing Digital Image, Regional Design, Planning for the Ecological City, Introduction to Data Programming
- Was admitted to **Honor Society** (https://www.honorsociety.org/)

2013.01-2013.12 Department of Earth Science**, Emporia State University**

- **Major**: Earth Sciences (exchange program) **GPA**: **3.73 / 4.0**
- **Courses**: Environmental Geology, Introduction to Geospatial Analysis, Composition, Spin Cycle, Advanced ArcGIS Application, Ice Age Environment, Natural Hazard, Economic Geography, World Regional Geography
- Was admitted to **Honors Program** (To graduate "with honors" students must complete 7 honors activities and earn a grade point average of 3.5)

2010.09-2013.01
2013.12-2014.07 Department of Natural Resource & Urban Planning Management**, South China Normal University**

- **Major**: Natural Resource and Urban Planning Management **GPA**: **84 / 100**
- **Courses**: Environmental Geology, Physical Geography, Metrology, Population Geography, Geographic Information System, Economic Geography, Image Processing of Remote Sensing, Cadastral Management, Water Resource Management, Remote Sensing Analysis

CERTIFICATIONS

- ArcGIS Desktop Associate 10.1|ESRI|Starting January 2016|Expiration: Never
  Certificate Code: EADA101|Verification#: RD18HYEK2NBEKX35
- LEED Green Associate|USGBC|Starting May 2016|Expiration: Never
  Credential ID: 11053440-GREEN-ASSOCIATE

PROFESSIONAL SKILLS

Proficient in ArcGIS 9.X/10.X, Adobe InDesign & Illustrator, ENVI 4.8, Sketchup 2016, Lumion 5, Python 2.7.11, HTML/CSS, Microsoft Office (Word, Excel, PowerPoint, Visio), Google Earth.

WORKING EXPERIENCES

2016.06-2016.06 **ESRI User Conference Student Assistant, Environmental Systems Research Institute (ESRI)**

- Assisted with conference logistics.
- Prepared and monitored technical workshops.
- Facilitated attendee registration, outlet store cashiering, etc.

2015.06-2015.08 **Comprehensive Transport Planning Intern, Transport Planning and Research Institute (TPRI), Ministry of Transport (Division of Integrated Transport Research)**

- Calculated road density and adjusted transportation network connectivity for the City of Quzhou, Zhejiang Province, by means of TransCAD.
- Prepared written report on regionalized parking policy zones for the comprehensive transportation planning of the City of Quzhou.
- Assisted multiple public participation meetings in the City of Quzhou during pre-planning stage.

2013.12-2014.02 **Urban Regional Planning Intern, Zhuhai Institute of Planning and Design**

- Assisted with GIS map drawing and archiving by using ArcGIS.
- Rectified multiple design-used CAD basemaps by using AutoCAD.
- Designed and created conceptual 3D city model of Hengqin Development Zone for the City of Zhuhai.

AutoCAD and Sketchup were both used to complete the tasks.

PROJECTS

2015.12-2016.04 **Suitability Evaluation and Neighborhood Design for Pollinator Habitat, City of Madison, Wisconsin**

- **Abstract**: This individual research project is a 25-page-long paper aiming at creating a more pollinator-friendly environment and a healthier local food system for the city thus promoting the city's urban agricultural economy. For implementing the goals, the project constructed a GIS-based suitability evaluation model to analyze the city's regional potential and environmental suitability to develop pollinator habitats. Based on the evaluation results, specific policy strategies combined with urban design graphics were provided as suggestions/recommendations for the local planning
- **Duties**: Is the researcher and the author of the project. Wisconsin and Madison pollinator protection background research; pollinator habitat suitability evaluation model literature review; interviewed with planners in the city government and with entomology specialists in the university; GIS-based single evaluation factor classification; GIS weighting and rating system construction; "problematic" sites identification and analysis; interactive web app "i-Pollinator" design and construction; urban space design and policy recommendations for solving issues
- **Was awarded 1⁄4 Outstanding Graduation Project Presentation, UW-Madison**
- **Project Web App (i-Pollinator) Link: http://mgo.ms/s/f1rxc**

2015.09-2015.12 **North Fish Hatchery Neighborhood Center Planning, City of Fitchburg, Wisconsin**

- **Abstract**: This group planning project explores existing conditions, opportunities, and challenges in the North Fish Hatchery Road area, which is located within the north central area of Fitchburg, Wisconsin, as they relate to the concept of potential development of a neighborhood center in the area. It addresses past studies, public participation, demographics, transportation/mobility, and land use
- **Duties**: Was the group's GIS data analysis lead; mapped potential demographic issues for the region (e.g. race segregation by income levels); interviewed with students from Aldo Leopold Elementary School for getting known about their opinions on "good neighborhood"; collected, categorized, and projected spatial data; prepared the GIS analysis section for the final written report of the project

2011.03-2013.12 **Influencing Mechanism of Aquatic Ecosystem on Eco-development of "Sea Gull" Island in Guangzhou**

- **Abstract**: The garden of Guangzhou's Zhujiang New Town and the only alluvial island to be developed in Southern Guangzhou, "Sea gull" Island is regarded the core of "Southern Guangzhou Development Strategy". Though, water pollution and single industrial structure remain unsolved. Based on the idea of sustainability, this research aims to evaluate environmental planning there and propose solution to solve problems
- **Duties**: On-the-spot investigation; drew land utilization pictures by ArcGIS; calculated and analyzed statistics; analyzed advantages and disadvantages of regional industrial development and causes of water pollution; drew new planning pictures and concluded a new land utilization proportion with reasonable explanation; wrote a paper "*Planning of Sea Gull Island*"
- **Was awarded third prize in "Challenge Cup" University Students Research Contest in School of Geography, SCNU**

2012.03-2012.12 **Analysis of Job Opportunities of GIS Major in China (taking Guangzhou as an example)**

- **Abstract**: This research aims to analyze GIS Major, Job conditions and opportunities in Guangzhou in order to help people get fully ready for future career planning
- **Duties**: Was the group leader; planned the research; interviewed experts, recruiters and students; collected and analyzed statistics; created images and wrote a paper
- **Was awarded "*Outstanding Project of SCNU*"**

AWARDS

2016.11 ESRI 2017 Geodesign Summit Student Scholarship, ESRI
2016.05 1⁄4 Outstanding Graduation Project Presentation, UW-Madison
2014.06 1⁄3 Valedictorian in the Graduation Ceremony of School of Geography, SCNU
2014.05 School-Level Outstanding Graduation Dissertation, SCNU
2012.12 Excellent Student Cadre in School of Geography, SCNU
2012.12 Third Prize in Future City at Sea Design Competition, SCNU
2012.11 Third Prize in "Leica Cup" Skills Competition (Urban Planning) in School of Geography, SCNU
2010.11 Second Prize in the Speech Contest "*My Dream and My Country*" in School of Geography, SCNU