

Yuwen Chang

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EDUCATION

- New York University** **Brooklyn, NY**
M.S. in Applied Urban Science and Informatics *August 2017 – August 2018*
• Coursework: Applied Data Science, Spatial Analytics, Civic Analytics, Urban Informatics
- University of Wisconsin-Madison** **Madison, WI**
Visiting Student in Community and Environmental Sociology (GPA: 3.9) *September 2015 – August 2016*
• Coursework: Statistics, Data Management, Community Development, Political Economy of Development
• Honors: Selected as a participant in the Wisconsin in Washington DC Internship Program (with scholarship)
- National Taiwan University** **Taipei, Taiwan**
B.A. in Political Science and International Relations (GPA: 3.91) *September 2011 – June 2015*
• Coursework: Public Policy, Program Evaluation, Economics, Cultural Geography, Livable Cities, International Security
• Honors: Ministry of Education Scholarship, Diplomatic Scholarship, Presidential Awards (4 semesters)
- Data Science and Urban Studies Coursework – Self-paced learner on Coursera and DataCamp** **Online**
• Develop data and spatial analytics skills – Python, ArcGIS, R – through accomplishing 4 courses and 2 specializations
• Delve into urban studies – sociology, design, infrastructure, smart cities – through accomplishing 5 courses

PROFESSIONAL EXPERIENCE

- Lienchiang County Fire Bureau** **Lienchiang, Taiwan**
Alternative Civilian Service IT at Duty Command Center *September 2016 – August 2017*
• Accelerated the response and dispatch procedure for fire and medical emergencies through improving the quality of documentation, database management, and information visualization (e.g., maps, flowcharts)
• Assisted in streamlining agency workflow; reduced time and paper consumption for various tasks by 50% - 90%
- Center for Auto Safety** **Washington, DC**
Vehicle Safety Intern *May – July 2016*
• Drafted a paper discussing road safety regarding self-driving vehicles; developed insights into smart urban transportation
• Written letters to NHTSA; requested car crash database improvement; advocated safety measures for autonomous vehicle development after the first Tesla Autopilot fatality
- Sustain Dane** **Madison, WI**
Program Evaluation Intern *February – May 2016*
• Assisted in constructing an organization-wide evaluation scheme; provided insights into methods and data collection
• Developed and operated program evaluation methods for community sustainability programs; presented with infographics; learned about sustainable actions of communities and businesses adopted at the local level
- National Taiwan University Department of Political Science** **Taipei, Taiwan**
Research Assistant for Prof. Tze-luen Lin *December 2013 – August 2015*
• Composed papers and presentations about sustainable and resilient cities, ‘glocal’ climate governance, and civic engagement
- American Institute in Taiwan** (equivalent to the U.S. embassy) **Taipei, Taiwan**
Political Section Intern *October 2014 – January 2015*
• Analyzed Taiwan’s 2014 election by organizing news briefs and survey data; arranged voters focus groups with U.S. diplomats

PROJECTS

- Public Transit Planning Mini-project for Lienchiang County (Self-motivated)** *May – August 2017*
• Facilitated comprehensibility and accessibility to county bus by redesigning the route map and timetables; all data is open
• Presented a policy recommendation for transit planning to the authorities; ideas were adopted and exposed on local media
- Monona Bay Neighborhood Fieldwork Research (UW-Madison)** *September 2015 – May 2016*
• Analyzed the revitalization of an undesirable park and the public-private contentions among users in a diverse neighborhood
• Collaborated with a city-wide neighborhood survey research; the studied issue appeared as a cover story in a local journal
- Spatial Mismatch Analysis of Midwest Cities (UW-Madison)** *February – May 2016*
• Analyzed job and housing mismatch patterns in 6 Midwest cities with spatial and statistical methods
• Identified suburbanization and segregation as a key to potential mismatch and social inequality regarding job accessibility

SKILLS

Computer MS Suite, Stata, Python, R, ArcGIS, Tableau, Illustrator
Languages Mandarin (native), English (professional, IELTS 8.0), Spanish (intermediate), Thai, Japanese

PUBLICATIONS

- Zinsli, M. J., **Chang, Y.**, & Green, G. P. (2016). Neighborhood Associations, Public Space, and Participation. *Community Development*. (Submitted for Initial Review)