

WAN-RU YANG

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EDUCATONS

- Ph.D., Ecology** *Sep 2010 – present*
University of California, Davis, CA
Taiwan government scholarships (Landscape planning & analysis: theory and techniques)
- Master of Science, Geography** *Sep 2003 – June 2005*
National Taiwan University (NTU), Taipei, Taiwan
- Bachelor of Arts, Geography** *Sep 1995 – June 1999*
National Kaohsiung Normal University (NKNU), Kaohsiung, Taiwan

EXPERIENCES

- Applications Programmer** *Jan 2016 – present*
Fish Conservation and Culture Laboratory, UC Davis
• Use commercial & open source tools for recognizing individual patterns on fish/report writing
- Graduate Student Researcher, Pesticide Use Intensity Analysis** *Jan 2016 – present*
Agricultural GIS Lab/ Department of Land, Air, and Water Resources, UC Davis
• Apply panel data analysis model to tackle the relationship between landscape diversity and pesticide use intensity/Support data querying and analysis for other projects
- Intern** *Sep 2015 – Dec 2015*
Here, Inc. Berkeley
• Analyze post-processed GPS/ LiDAR data to investigate the factors affecting data quality
• Develop python module to automate GPS data analysis
- GIS Intern** *June 2015 – Sep 2015*
City of Santa Clara/ IT Department
• Construct parcel layers from measurement and written documents
- Teaching Assistant, Introduction to Geographical Information System** *Apr 2015 – June 2015*
Department of Landscape Architecture, UC Davis
- Graduate Student Researcher, Spatial Data Analysis** *Sep 2012 – Mar 2015*
California Renewable Energy Center/ Department of Plant Science, UC Davis
• Manipulate, analyze, and visualize spatial data for an interdisciplinary team/report writing
- Graduate Student Researcher, Remote Sensing** *Sep 2009 – June 2012*
Agricultural GIS Lab/ Department of Land, Air, and Water Resources, UC Davis
• Satellite image classification & field sample collection/report writing
- High School Teacher** *Sep 1999 – June 2008*

SKILLS

- Programming/statistics languages: R, Python, JavaScript, SQL
- GIS: ArcGIS, QGIS, PostGIS, GRASS GIS, ENVI

PUBLICATIONS

Wan-Ru Yang, Mike Grieneisen, Huajin Chen, and Minghua H Zhang (2015) Reduction of crop diversity does not drive insecticide use. *Journal of Agricultural Science* 7: 10.