Ganhua Lu   Ph.D.

Data Scientist, University of Wisconsin-Madison
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Coding blogs: *chrr-coding-discussions*

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COMPUTER SKILLS

- Languages: R, Python, SAS, SQL, MATLAB, Java, JavaScript, C, Visual Basic, Excel VBA
- Software & tools: Tableau, ArcGIS Pro, Oracle SQL, MySQL, Dreamweaver, LABView
- Cloud computing: Microsoft Azure, Databricks
- Apache Spark, Apache Airflow

CITIZENSHIP   United States

EDUCATION

M.S., Data Science	Marquette University, May 2023 – Milwaukee, WI
Data Science Certificate	Marquette University, Dec. 2021 – Milwaukee, WI
Ph.D., Mechanical Engineering	University of Wisconsin-Milwaukee, Dec. 2007 – Milwaukee, WI (*Minor: Physics*)
M.S., Thermal Energy Engineering	Tongji University, 2003 – Shanghai, China
B.S., Thermal Energy Engineering	Tongji University, 2000 – Shanghai, China

WOKR EXPERIENCE

9/2023-present	**Data Scientist**	County Health Rankings and Roadmaps (CHR&R) Population Health Institute, University of Wisconsin-Madison	
9/2021-9/2023	**Data Analyst**	County Health Rankings and Roadmaps Population Health Institute, University of Wisconsin-Madison	
8/2020-9/2021	**Math Teacher**	Milwaukee Marshall High School	Milwaukee, WI
7/2016-8/2020	**Chief Science Officer**	NanoAffix Science LLC.	Wauwatosa, WI
1/2013-6/2016	**Assistant Professor**	University of Alaska Anchorage	Anchorage, AK
1/2008-12/2012	**Research Associate**	University of Wisconsin-Milwaukee	Milwaukee, WI

PRESENTATIONS

- **G. H. Lu**, J. Joslyn, W. Bialkowski, "Empowering Those Who Seek to End Hunger through Collaboration and Innovation," Presented at *Beyond MU: Lifelong Learning* webinar series, March 17, 2021. (Available at: https://alumni.marquette.edu/archive-beyondmu-031721)
- W. Bialkowski, J. Joslyn, **G. H. Lu**, "Empowering Those Who Seek to End Hunger :: Data Science Solutions for the SARS-CoV-2 Pandemic," Presented at *CUMU Learning & Sharing Virtual Series*, April 12, 2021. (Available at: https://www.cumuonline.org/zoom-meetings/april-12-best-practice-session/)

PEER-REVIEWED JOURNAL PAPERS

- 70+ papers (link for a complete list: https://sites.google.com/view/ganhualu/publications)

HONORS AND AWARDS

- **Jump Start Award**, 2020 Forward Thinking Virtual Poster Session, Marquette University, November 2020
- **Wisconsin Innovation Award**, August 2016
- **Research Fellow Award**, University of Wisconsin–Milwaukee Research Foundation, 2011
- **Graduate School Dissertation Fellowship**, University of Wisconsin-Milwaukee, 2006-2007
- **Graduate School Fellowship**, University of Wisconsin-Milwaukee, 2005-2006