

Wanyu Huang

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EDUCATION

- Johns Hopkins University**, Baltimore, MD Aug. 2018 – June 2023 (anticipated)
Ph.D. Candidate in Civil and Systems Engineering, GPA 3.98/4.00
M.S. in Applied Mathematics and Statistics, GPA 3.95/4.00
Honor: Gordon L. and Beatrice C. Bowles Fellowship, \$86K, 2018
- Iowa State University**, Ames, IA Aug. 2016 – May 2018
M.S. in Industrial Engineering, GPA 3.71/4.00
Honor: Full Scholarship; Best Graduate Poster in ISU IMSE Research Symposium 2017; Best Paper Finalist in CSS 2017
- Shanghai Jiao Tong University**, Shanghai, China Sep. 2012 – June 2016
B.Sc. in Automation, School of Electronic Information and Electrical Engineering

EXPERIENCE

- Research Assistant, Johns Hopkins University**, Baltimore, MD Jan. 2019 – Present
- Led 8 collaborative research projects with 10+ graduate students/postdocs from 6 research groups
 - Organized focus groups with medical staff and state policymakers regarding smoking and reimbursement policy designs
 - Identified barriers and facilitators to successful intervention implementations in a sustainable and cost-effective manner
 - Constructed a model assessing the effects of maternal toxic co-exposures on offspring development by ML approaches
 - Built prediction tools for adolescent obesity at early developmental windows and pinpointed early-life risk factors
- Research Assistant, Iowa State University**, Ames, IA Sep. 2016 – June 2018
- Developed a decision-making support system to help Des Moines city design policies and incentives for energy projects
 - Created computationally efficient methodologies to test the resilience and robustness of transmission expansion plans
- Program Manager Intern, Yitu** (top 10 AI company in China), Shanghai, China Nov. 2015 – Jan. 2016
- Conducted qualitative and quantitative market research for market entry of AI-powered Intelligent City
 - Coordinated with customers and R & D team and helped refine the AI identity authentication product roadmap
 - Facilitated deployment of Smart Banking solutions to over 1,500 China Merchants Bank branches
- Team Leader, Huawei Sales Elite Challenge**, Shenzhen, China Aug. 2015
- Teamed up with 4 students to form the Shanghai representative team and won the top 8 in the nationwide competition from 5000+ participants, including case competitions and in-store sales contests
 - Achieved a daily sales record of 94K USD for Shenzhen Huawei flagship stores
 - Established an order worth 16K USD with a Shanghai research center after addressing the customer needs and negotiating with them about product promotions
- Vice President, Sports Club, Shanghai Jiaotong University**, Shanghai, China May 2013 – May 2014
- Organized over 10 department-level sports events and engaged 1000+ participants
 - Liaised with the school administration, sponsors, and class board members
 - Ran the poster designs for the sports club, recruited and trained new student members

ADDITIONAL INFORMATION

- Publications:** 11 publications, 4 first-author and 7 co-author peer-reviewed articles
- Relevant Coursework:** Applied Statistics and Data Analysis, Probability and Statistics, Mathematical Analysis, Data Mining, Engineering Management Theory, Intro to Sustainable Production Systems, Advanced Environmental Economics
- Skills:** Python, R Statistical Software, SQL, HTML
- Languages:** English (professional working proficiency), Mandarin Chinese (native)
- Interests:** Enjoy hiking, traveling, and board games; Mom of two cats