

HANG SONG

Geosciences Department, Auburn, AL 36830 | (334) 549-2769 | hzs0068@auburn.edu

SKILLS

R Studio, SPSS, Statistical data analysis, Data mining, Data visualization, ArcGIS (Global Information System), Machine learning, Microsoft suite, MATLAB, Java, Python, HTML, XML, WordPress, Qualtrics

EDUCATION

Ph.D. Student in Earth System Science, Geosciences Department, Auburn University, AL, USA 2021-Present

MA in Nature Resource Management, Forestry Department, Auburn University, AL, USA 2021

MA in Industrial and Organizational Psychology, Auburn University, AL, USA. 2019

MBA in Finance, Troy University, AL, USA. 2016

BS in Commerce and Law, Beijing University of Posts and Telecommunications, Beijing, China. 2012

BS in Business Management, Queen Mary University of London, London, UK. 2012

EXPERIENCE

Research Assistant, Geoscience Department, Auburn University 2021- Present

- NSF IUSE survey design and data collection
- PRISM big-data collection and data mining
- Qualtrics data management

Website Manager, Global Ecology Lab, Auburn University 2020 - 2021

- Updated the latest data on the lab website, maintained and rebuilt the website through WordPress
- Analyzed statistically big data by using GIS, Python, and Machine learning

Research Assistant, Industrial, and Organizational Psychology Lab, Auburn University 2017-2019

Project 1: Work behavior inventory, Assessment Associates International (AAI)

- Communicated between the AAI and international customers to solve technical issues
- Fulfilled various needs of international customers through SPSS and data visualization
- Earned the certificate to interpret the personality test report

Project 2: Personality test database, Industrial & Organizational Psychology Department

- Constructed the big database based on over 100,000 psychology test participants
- Led a group in creating the classification index for the database
- Operated the regression and correlation analysis in the big database by SPSS & R

Project 3: Relationship between personality and GPA, Industrial & Organizational Psychology Department

- Collected personality data and GPA from thousands of undergraduate students
- Measured the lying degree of the testing results through ANOVA
- Processed big data mining, statistics, and visualization with SPSS & R
- Participated in the development of Fan's Model through data collecting and visualization

Teaching Assistant, Troy University 2014 - 2016

- Supervised students with diverse backgrounds in SPSS labs to analyze big data

Network Supervisor, China Mobile 2011 - 2013

- Maintained system software background through HTML and XML programming
- Coordinated customers and technical department for troubleshooting (95% customer satisfaction)

PUBLICATION

Jinyan Fan, Melissa Stuhlman, Hairong Li, Hang Song, Examining Criterion Validity of Self-reported & Machine-inferred Personality Scores; *Social Industrial and Organization Psychology*, submitted.

HONORS

University Scholarship	2009-2011
University Outstanding Student Leaders	2010
Excellent Volunteer in Beijing Olympic Games	2008
Second Prize of the Olympic Physics Competition	2004