

# HSIAO-WEN WU

Location: Bloomington, IN  
Email: [hsiawu@uemail.iu.edu](mailto:hsiawu@uemail.iu.edu)  
Phone: (317)378-0209  
Portfolio: [hsiao-wen.com](http://hsiao-wen.com)

## WORK EXPERIENCE

**School of Informatics, Indiana University** (Graduate Assistant, Aug. 2012– May. 2013)  
• Instructed 27 students for research proposals in the INFO I305 course.

**Institute of Atomic and Molecular Sciences, Academia Sinica** (Research Assistant, Feb. 2012–Jul. 2012)  
*Visualization System Development for Molecular Spectrum Analysis*  
• Integrated and automated the molecular spectrum analysis process  
• Developed algorithms for molecular simulation  
• Designed graphical user interface system  
• Reduced processing time to less than 10 minutes from hours in the previous version

**Department of Geomatics, National Cheng Kung University** (Research Assistant, Jul. 2010–Jan. 2012)  
*Height Modernization Process in Taiwan and Tropospheric Zenith Delay Modeling*  
• Conducted interviews and designed questionnaires  
• Analyzed 100 questionnaire results for gathering user requirements  
• Analyzed GPS data and implemented regression model

## EDUCATION

**Indiana University**  
• Master of Information Science (2015-expected)  
Coursework: Database Design, Information Architecture, Web-programming  
• Certificate in Human-Computer Interaction (2013)  
Coursework: Psychology in HCI, Prototyping, Interaction Design and Practice

**National Cheng Kung University, Taiwan**  
• Master of Science in Geomatics (2010)  
Thesis: “Development of a Regional Tropospheric Correction Model over Taiwan”  
• Bachelor of Science in Geomatics (2007)  
Coursework: Object-Oriented Programming, Statistics, Engineering Mathematics, Global Positioning System

## PUBLICATIONS

Afarin Pirzadeh, **Hsiao-Wen Wu**, Reecha Bharali, Bomi Kim, Terri Wada, Mark S. Pfaff (2014). “Designing Multi-Touch Gestures to Support Emotional Expression in IM”, **CHI 2014** Works-in-Progress (Accepted)

## SKILLS

**Design Methods:** User research, Prototyping, Usability Evaluation  
**Design:** Axure, Adobe Illustrator  
**Programming Languages:** C++, Java, Matlab  
**Database:** SQL, Microsoft Access  
**Web Development:** HTML, CSS, Java Servlet  
**Platforms:** Linux, Unix  
**Geospatial Software:** Generic Mapping Tools, Geostatistical Software Library