

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

Web Development: HTML, CSS, JavaScript, Java Servlet

Platforms: Linux, Unix

Geospatial Software: Generic Mapping Tools, Geostatistical Software Library