HSIAO-WEN WU

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EDUCATION

Indiana University, Bloomington, IN
•Master of Information Science (2015-expected)

Indiana University, Indianapolis, IN
•Certificate in Human-Computer Interaction (2013)

National Cheng Kung University, Taiwan
• Master of Science in Geomatics (2010)
• Thesis: "Development of a Regional Tropospheric Correction Model over Taiwan"

National Cheng Kung University, Taiwan
• Bachelor of Science in Geomatics (2007)

WORK EXPERIENCE

School of Informatics, Indiana University (Graduate Assistant, Aug. 2012– May. 2013)
• Guided 27 students for writing research proposals as the teaching assistant in the INFO I305 course.
• Managed and graded for assignments and quizzes in the online course system.
• Coordinated online experiment documents.

Institute of Atomic and Molecular Sciences, Academia Sinica (Research Assistant, Feb. 2012–July. 2012)
Visualization System Development for Molecular Spectrum Analysis
• Developed a graphical user interface system for molecular spectrum analysis in order to reduce processing time-consumption and human errors.

Department of Geomatics, National Cheng Kung University (Research Assistant, Aug. 2008–Jun. 2012)
Atmospheric Correction Model for GNSS
• Developed Taiwan tropospheric delay correction model for Global Navigation Satellite System.

Height Modernization Process in Taiwan
• Conducted interviews and questionnaires and analyzed questionnaire results.

Centimeter-Level Tropospheric Zenith Delay Estimation
• Used Precise Point Positioning technique with single GPS to estimate tropospheric delay.

PUBLICATION

Hsiao-Wen Wu, Ming Yang, Meng-Ying Li, Kai-Wei Chiang (2011). "Regional Tropospheric Correction Model over Taiwan," *Journal of Cadastral Survey*, Vol. 30, No.2, pp.1-16. (Chinese)

HONORS

Master of Information Science Chair's Scholarship, Indiana University (Aug. 2013 - May. 2014)

Non-Resident Scholarship, Indiana University (Aug. 2012 - May. 2013)

First place award of annual outstanding essay from Chinese Society of Cadastral Survey (2011)

TECHNICAL SKILLS

Programming Languages: C++, Java
Platforms: Linux, Unix
Database: SQL, Microsoft Access
Web Development: HTML, CSS, Java Servlet
Geospatial Software: Generic Mapping Tools, Geostatistical Software Library
Miscellaneous: Matlab, Axure, Adobe Illustrator

DESIGN METHODS

User research, Sketching, Prototyping, Usability Testing