HSIAO-WEN WU

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Portfolio: hsiao-wen.com/projects.html

WORK EXPERIENCE

Lisa's English Academy   (Webmaster, Feb. 2014– present)
- Redesigned and developed the new version of official website
- Maintained and monitored the official website

School of Informatics, Indiana University   (Graduate Assistant, Aug. 2012– May. 2013)
- Graded students' research proposals the INFO I305 course
- Provided comments for improving students' proposals

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, United States

- Master of Information Science   (2015-expected)
- Graduate Certificate in Human-Computer Interaction   (2013)

Coursework: Information Architecture, Web-programming, Psychology in HCI, Database Design, Prototyping, Interaction Design and Practice, Usability,

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: Statistics, Engineering Mathematics, Object-Oriented Programming, Global Positioning System

SKILLS

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

RELATED PUBLICATION

CHI 2014 Works-in-Progress
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"