DAVID J. CHAN

School of Natural Resources and the Environment
University of Arizona, Tucson, AZ 85721
Email: davidchan@email.arizona.edu Cell: (502) 645-4145

EDUCATION

Master of Science (MS) in Watershed Management and Ecohydrology   Aug. 2013 (expected)
University of Arizona, Tucson, AZ   Thesis: *Linking Ecosystem Services to Landcover Change*   GPA: 4.00

Bachelor of Science (BS) in Environmental Science   May 2011
University of Notre Dame, Notre Dame, IN   GPA: 3.40

PROFESSIONAL SKILLS PROFILE

- High Proficiency in ArcGIS 9.3 and 10.X, including Python automation in ArcGIS for batch processing
- Field sampling and taxonomic identification in stream, lake, grassland, forest, and wetland ecosystems
- Experience with ERDAS Imagine, including Landcover Classification
- Expertise in finding, gathering, and formatting disparate data sets, both spatial and nonspatial
- Knowledge of basic statistical analyses and spatial statistics
- Proficiency in Microsoft Office
- Formal training in Science Communication
- Presentation of experimental results in written, oral, and poster formats
- Teaching and small group discussion experience

RESEARCH AND EMPLOYMENT EXPERIENCE

Graduate Research Assistant, Water Resources Research Center, University of Arizona, Tucson, AZ   Fall 2012-Summer 2013
- Gathered and formatted spatial data from various sources, updated metadata, and compiled into a geodatabase
- Created a stakeholder-driven atlas of maps for a baseline data assessment in a watershed in eastern Arizona

Teaching Assistant, Watershed Hydrology—School of Natural Resources, University of Arizona, Tucson, AZ   Fall 2012
- Facilitated lab sessions, graded weekly lab reports, and led several lab sessions independently

Graduate Research Assistant, Biosphere 2, University of Arizona, Tucson, AZ   Fall 2011- Spring 2012
- Conducted research related to mapping Ecosystem Services for an interdisciplinary NSF-funded project

GIS Intern—Geospatial Analysis Laboratory, University of Notre Dame, Notre Dame, IN   Spring 2011-Summer 2011
- Gathered, formatted, and analyzed datasets for GIS-related research projects

Teaching Assistant, General Ecology—Department of Biological Science, University of Notre Dame, Notre Dame, IN   Spring 2011
- Regularly led small group discussions about various aspects of urban ecology

Undergraduate Researcher—Lodge Lab, University of Notre Dame, Notre Dame, IN   Fall 2010-Spring 2011
- Designed and implemented independent research projects studying the behavioral ecology of an invasive crayfish

Undergraduate Researcher—University of Notre Dame Environmental Research Center   Summer 2009, 2010
Land O' Lakes, WI; Charlo, MT
- Learned species identification and field sampling techniques for a variety of different ecosystems, including forestry.
- Conducted, wrote papers on, and presented the results of independent research projects, including an analysis of the spatial distribution of ant mounds using GIS

PRESENTATIONS

Grad Blitz Tucson, AZ   Nov. 2012
Ecosystem Services Partnership Conference Portland, OR   Aug. 2012
Adaptation Futures Conference Tucson, AZ   May 2012
College of Science Joint Annual Meeting Notre Dame, IN   May 2011
GIS-Day Notre Dame, IN   Nov. 2010

AWARDS AND HONORS

Carson/Biosphere 2 Science and Society Fellowship University of Arizona, Tucson, AZ   Fall 2012-Spring 2013
- Provides training to develop skills, strategies, and products to effectively convey the value of the Fellow's research to the public