

## **Andrew Ruegg**

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### **EDUCATION**

#### **Arizona State University, Master of Urban & Environmental Planning**

Tempe, AZ, August 2012-Present

- Geographic Information Science Certificate
- Expected graduation: May 2014

#### **Texas Tech University, Bachelor of Arts in Geography**

Lubbock, TX, May 2012

- Geography Major, General Business Minor, & GIS Minor

### **WORK EXPERIENCE**

#### **Arizona State University/Gila River Indian Community Utility Authority**

GIS Specialist

Chandler, AZ, May 2012-Present

- Produce specialized maps for Gila River Indian Community Utility Authority
- Development of large GIS electrical system geodatabase
- Create and maintain field data for GIS electrical system database
- Perform field checks for utility data to ensure location and attribute accuracy in GIS database

#### **Arizona State University**

Teaching Assistant

Tempe, AZ, August 2012-Present

- Direct lab of 20-30 undergraduate students for Planning Methods course covering topics in research methods, GIS, data management, demographic, economic, and spatial analysis, and data visualization
- Collaborate with professor to develop and deliver course content
- Mentor and assist undergraduate students with course material and assignments

#### **Texas Tech University**

Research Assistant

Lubbock, TX, January 2012-May 2012

- Assist in research over wildfire impact on exurban development in the American West
- Create fire history database over study area in Southern California
- Produce fire vulnerability maps with ArcGIS

#### **League of Women Voters of Texas**

Intern

Lubbock, TX, February 2011-May 2011

- Develop election redistricting maps for State Board of Education, Texas House of Representatives, and Texas Congressional Districts
- Analyze and apply demographic data to election redistricting maps

**Coppell Aquatic & Recreation Center**  
Swimming Instructor

Coppell, TX, June 2009-August 2011

- Teach group lessons of 5-10 kids focused on the basic swimming strokes
- Consult with parents on their child's progress throughout sessions
- Evaluate swimming skills to advance kids to next level of lessons

**ACTIVITIES & PROJECTS**

**Master of Urban & Environmental Planning Capstone Project** Spring 2014

- Town of Wickenburg, Arizona: Downtown Heritage Design Plan
- Lead cartographer and GIS expert for group project aimed at examining current conditions of downtown Wickenburg, Arizona and making informed recommendations for future urban design and economic development strategies

**GIS Certificate Capstone Project** Spring 2014

- Temperature Maps for Applied Spatial Decisions
- Create series of maps requested by Frito Lay showing national daily maximum temperatures for the distribution of products affected by high temperatures

**Gamma Theta Upsilon** Tempe, AZ, September 2012-Present

- International Honor Society in Geography
- Volunteered at Arizona Renaissance Festival and presented geographic material over Renaissance era themes of discovery, exploration, and navigation

**School of Geographical Sciences and Urban Planning Student Colloquium Committee**  
Tempe, AZ, August 2012-Present

- Colloquium Committee Officer
- Responsible for organizing, promoting, and directing 8-10 colloquium events per semester

**Association of American Geographers (AAG) National Conference** Los Angeles, CA, April 2013

- Presented joint research titled "Fire Frequency in Southern California: A Preliminary Analysis at the Census Tract Level"
- Received honorable mention for poster presentation in the "Young Leaders Mapping Sustainable Development Challenges" session
- Volunteered as conference representative

**Sigma Alpha Lambda** Lubbock, TX, August 2010-May 2012

- National Leadership & Honors Organization

**SKILLS**

- Proficiency with ArcGIS, Microsoft Office Suite, Adobe Creative Suite
- Experience with data management, GPS technologies, data mining, research methods, demographic analysis, economic analysis, spatial analysis, and data visualization

**References Available Upon Request**