

SHELLEY WITTE

TECHNICAL SKILLS

Adobe Illustrator and Photoshop, ArcGIS, QGIS, GeoDa, R, Blender, CartoCSS, MapboxStudio, Microsoft Office

PROGRAMMING

HTML/CSS, JavaScript: D3, jQuery, and Leaflet, Python

EDUCATION

University of Wisconsin – Madison
GIS Certificate
September 2015 – May 2017

University of Wisconsin – Madison
BS in Secondary Education: Earth/Space Science
September 2004 – December 2008

WORK EXPERIENCE

Applied Population Lab

Student Intern | **October 2016 – May 2017** | Madison, WI

- Utilize current GIS tools, such as ArcGIS and GeoDa, to conduct an exploratory analysis of the correlation between historical redlining maps and spatial clusters of current demographics and socioeconomic indicators.

Chancellor's Scholarship and Powers-Knapp Scholarship Programs Student Office

Assistant | **October 2016 – May 2017** | Madison, WI

- Supported the Administrative Assistant in the daily operations and key activities of the scholarship programs.
- Utilized Access data platform to update, organize, and maintain program records.

University of Wisconsin Forest Landscape Ecology Lab

Student Digitizer | **November 2015 – May 2017** | Madison, WI

- Utilized current GIS tools, such as ArcGIS, to georeference and digitize historical landcover maps of Wisconsin counties.
- Reviewed and edited completed digitized counties.
- Completed weekly reviews and reports of project status and priorities.

Madison East High School

Earth Science Teacher | **August 2012 – June 2015** | Madison, WI

- Taught two sections of astronomy, four sections of geology, and four sections of meteorology.
- Worked to facilitate the learning process for students of varying abilities and motivation levels.

University of Wisconsin PEOPLE Program

Science Teacher | **Summers: June 2013 – July 2015** | Madison, WI

- Collaborated with University of Wisconsin – Madison graduate students in facilitating daily science lessons and labs for high school students.

Monona Grove and Madison Metropolitan School districts

Substitute Teacher | **October 2011 – June 2012** | Madison, WI

- Utilized and further developed classroom management skills in various learning environments.
- Worked to effectively implement lesson plans laid out by the absent teacher as well as facilitate the learning process for students of varying abilities and culturally diverse backgrounds.

Smithsonian National Air and Space Museum

Astronomy Educator | **May 2009 – August 2011** | Washington, DC

- Facilitated hands-on and inquiry-based activities for visitors inside the museum and Public Observatory.
- Updated exhibits with current news in astronomy research from national observatories.

University of Wisconsin Foundation

Telefund Student Caller | **June 2007 – April 2009** | Madison, WI

- Communicated with alumni, parents of undergraduates, and friends of the University about funding needs.
- Raised approximately \$58,000 in private support for academics and scholarships.

University of Arizona Astronomy Camp

Camp Counselor | **Summer 2005, 2007, 2008, 2012, 2013, and 2015** | Tucson, AZ

- Assisted campers in the operation of research telescopes and instruments during day and night observation.
- Advised and led groups of students in astronomical research, activities, and observational projects.
- Engaged students in formal and informal discussions of varying astronomical and general science topics.

University of Wisconsin Space Place

Student Hourly | **February 2007 – November 2007** | Madison, WI

- Assisted staff in weekly science workshop geared toward children between the ages of 6 and 10.
- Assisted staff, operated telescopes, and provided astronomical expertise during bimonthly stargazing events.
- Monitored exhibit area and handled guest inquiries.

VOLUNTEER ACTIVITIES AND INTERNSHIPS

Applied Population Lab Intern	October 2016 – May 2017
Goodman Community Center Teen Center Mentor/Tutor	September 2008 – April 2009
Volunteer Varsity Girls Track & Field Assistant Coach	February 2008 – June 2008
MATC Multicultural Pre-Collegiate Program Tutor	February 2007 – May 2007

AWARDS & HONORS

UW Madison Dean's List	2005 – 2008
------------------------	-------------