

# Cody Wooden

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## Professional Experience

### University of Arizona Libraries

*Office of Digital Innovation and Stewardship- Graduate Assistant (G.I.S. and Geospatial Outreach), January 2020-May 2020*

- Sourced and manipulated datasets to assist with various geospatial projects on campus.
- Tutored and guided students/faculty on G.I.S. methods and geospatial data management.
- Coordinated with the geospatial specialist and data science department on G.I.S./geography-related outreach events and platforms at the UA.

### Wildlands Network

*Borderlands Campaign- Mapping/Outreach Intern, March 2019-December 2019.*

- Assisted with the creation of maps, metadata, and outreach material for conservation issues in the Borderlands Region.
- Collected and examined property, parcel, and structural data for the I-11 expansion project.

### Institute for Wildlife Studies

*Predator Management Biologist-Crew Lead, August 2017- December 2018*

- Ran field research operations, logistics, budgeting, and assisted with company and Navy compliance.
- Data collection, management and analysis for multiple endangered and invasive mammal species projects.
- Produced updated maps of critical areas for status reports.

### Battelle Ecology/National Ecological Observatory Network

*Biological Field Technician, March 2017-August 2017*

- Carried out large-scale botany, insect, and small mammal data collection bouts.
- Management and QA/QC of large datasets at the Moab, UT remote field site.

### Arizona Game and Fish Department

*Wildlife Pen Technician I, November 2013- March 2015*

- As part of the Sonoran Pronghorn Recovery Team, helped manage a large captive breeding pen within the Cabeza Prieta National Wildlife Refuge.
- Produced technical status reports, managed interns, enhanced habitat vegetation and served as a key part of multiple capture events to assess herd health.

### OtterTail Environmental Consulting

*Biological Field Surveyor, May 2013-November 2013*

- Field data collection and surveys of endangered cactus and West Nile virus hot spots using GPS and mapping technology.

### GW Concrete and Framing LLC.

*Office and Site Assistant, Summers 2006-2013*

- Office assistant duties included data organization, filing, and hardware deliveries around the Phoenix-metro area.
- Assisted with manual on-site labor and served various roles under the direction of estimators, office managers, and site superintendents.

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## Education

### University of Arizona, Graduate School

Master of Science in Geographic Information System Technology-

Graduation: May 2020

Final Project- Examining woody cover encroachment on historic grasslands using remotely sensed imagery.

Coursework topics: Vector and raster analysis, remote sensing, programming, open-source software, geospatial applications and advanced cartography using chiefly Esri products.

**Phoenix College-** Geography Dept. Intro-level GIS courses, 2017.

**University of Montana**, College of Humanities and Sciences.  
Bachelor of Arts in Environmental Studies, Minor in Wildlife Biology.  
Graduation: May 2012

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### **Relevant Skills**

- High proficiency with Esri software (ArcGIS Pro, ArcMap, ArcCatalog, AGOL, Toolboxes etc.)
- Extensive experience with data manipulation, management and maintenance.
- Proficient with remote sensing techniques, acquiring and analyzing high-resolution imagery.
- High-quality map creation, detailed technical writing skills, and data QA/QC methods.
- Creation of automated analysis workflows within Esri Desktop.
- Baseline knowledge of programming languages Java, Python, R and SQL.
- Familiar with open-source platforms such as QGIS, Jupyter Notebooks, GRASS, OpenLayers.
- Experienced with data collection apps, databases and hardware such as ArcGIS Collector, Survey123, Fulcrum, Access, Trimble and various GPS devices.
- Proficiency with Microsoft Office Suite and PC operating system
- Work experience on large residential and commercial construction projects.

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### **Publications and Associations.**

Burlingame, L. R., C. J. Wooden, C. Q. Lane, O. Tapia, A. S. Bridges, D. K. Garcelon. 2017. Predator Research and Ecosystem Management in Support of the Recovery of the San Clemente Loggerhead Shrike on San Clemente Island. Annual Report - 2017. Natural Resources Office, Naval Base Coronado, San Diego, California.

Parsons, M., C.J. Wooden, G. Gustafson, Z. Warnke, A. S. Bridges, D. K. Garcelon. 2018. Predator Research and Ecosystem Management in Support of the Recovery of the San Clemente Loggerhead Shrike on San Clemente Island. Annual Report - 2018. Natural Resources Office, Naval Base Coronado, San Diego, California.

Wooden, Cody J. "Fashionable and Practical: Island Fox Radio Collars Produce Signals of Success." Natural Selections- Winter 2019. Dec. 2018. Department of Defense Natural Resources Program.  
[www.denix.osd.mil/nr/resources/program-information/newsletters1/newsletter/2019/winter-2019-natural-selections-newsletter/](http://www.denix.osd.mil/nr/resources/program-information/newsletters1/newsletter/2019/winter-2019-natural-selections-newsletter/).

"A Day in the Life of a Sonoran Pronghorn" Arizona Wildlife Views, 2015.

### **Arizona Geographic Information Council Symposium 2019-**

Tony Gonzalez Student Scholarship Recipient  
Best Analytical Presentation Award

**American Fisheries and Wildlife Society (UA Chapter)**- Member since Jan. 2019.  
**Southern Arizona Geographers Association**- Member since Jan. 2019.