

Working in Geographic  
Information Systems - Could you  
be my future intern?



# Background - Who I work with

Yavapai County Government, my co-workers:

2 GIS Specialist

2 GIS Programmer Analyst 1

1 GIS Programmer Analyst 2

1 GIS Programmer Analyst Lead (me)

1 Data Services Manager

1 Geographic Information Officer (GIO)

8 full time staff within a division of the IT  
department (40+)



# Background - Who I work with

## GIS Specialist

- Entry level
- Public interaction
- Data and map requests
- Web app and data maintenance
- Help with complex tasks involving databases, server maintenance/configuration, and programming



# Having Fun



**YAVAPAI**  
COUNTY



# Having too much fun



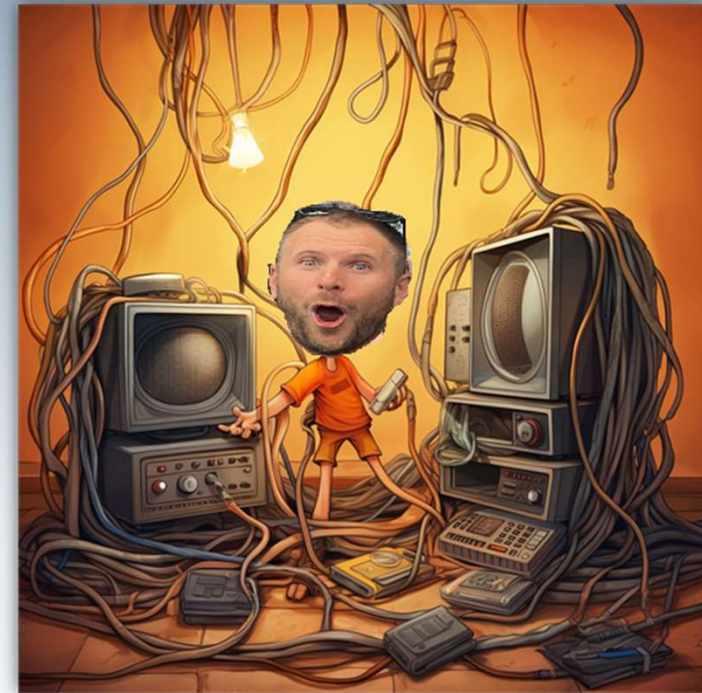
# What Brian Is Doing Now

- Managing training for new staff/interns/volunteers
- Overseeing the GIS enterprise SQL databases.
- Writing Python Scripts/PowerShell/Arcade expressions
- Install/upgrade GIS application software (ArcGIS Enterprise/ArcGIS Monitor/ArcGIS Pro)
- Documentation/Metadata
- Planning, goal setting, visionary



# What Cam Is Doing Now

- Watershed Analysis tool
  - Storm Water
  - Task
  - Custom add-in?
- Distributed Collaboration
  - For updating AGOL
- ArcGIS Pro Training for county employees



# Interesting projects

Custom web application

Interactive Map look in 2004. Won an award by the ESRI.



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# Interesting projects



Custom web  
application

Interactive Map  
look in 2006

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# Interesting projects

**Yavapai County Interactive Map** [Help](#) | [FAQ's](#) | [Contact Us](#)

Basemap Quick Measure

Map Layers Search Results Print

**Property Search:**

Examples: 1015 Fair, 123-45-678X,  
12345678X,  
John Smith, Granite Foothills

**Other Searches:**

For Parcel Number, Address, and Owner Information searches use the Property Search box above.

Subdivision Name

Parcel History

**Location Search By:** Search By Location

Map Scale: 1:1,150,000

Yavapai County | Yavapai County GIS Department, Assessors Office

esri

Current Interactive  
Map in 2025 (to be  
replaced soon)

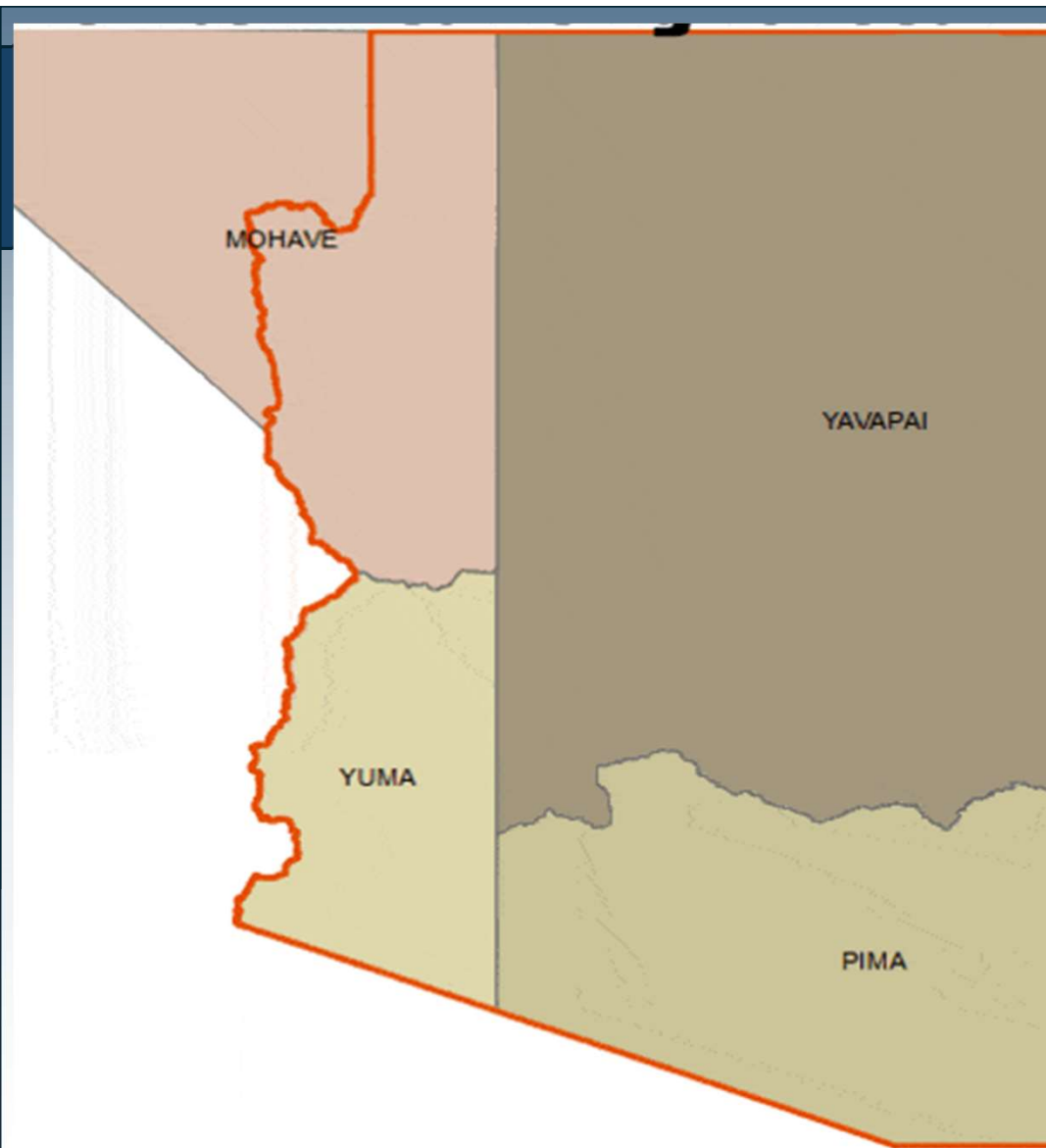
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# Interesting projects

Collecting historical data.  
This fast animated GIF  
showing the area of Yavapai  
County from the 1800's  
covering over 2/3 of the  
current state of AZ until  
present.

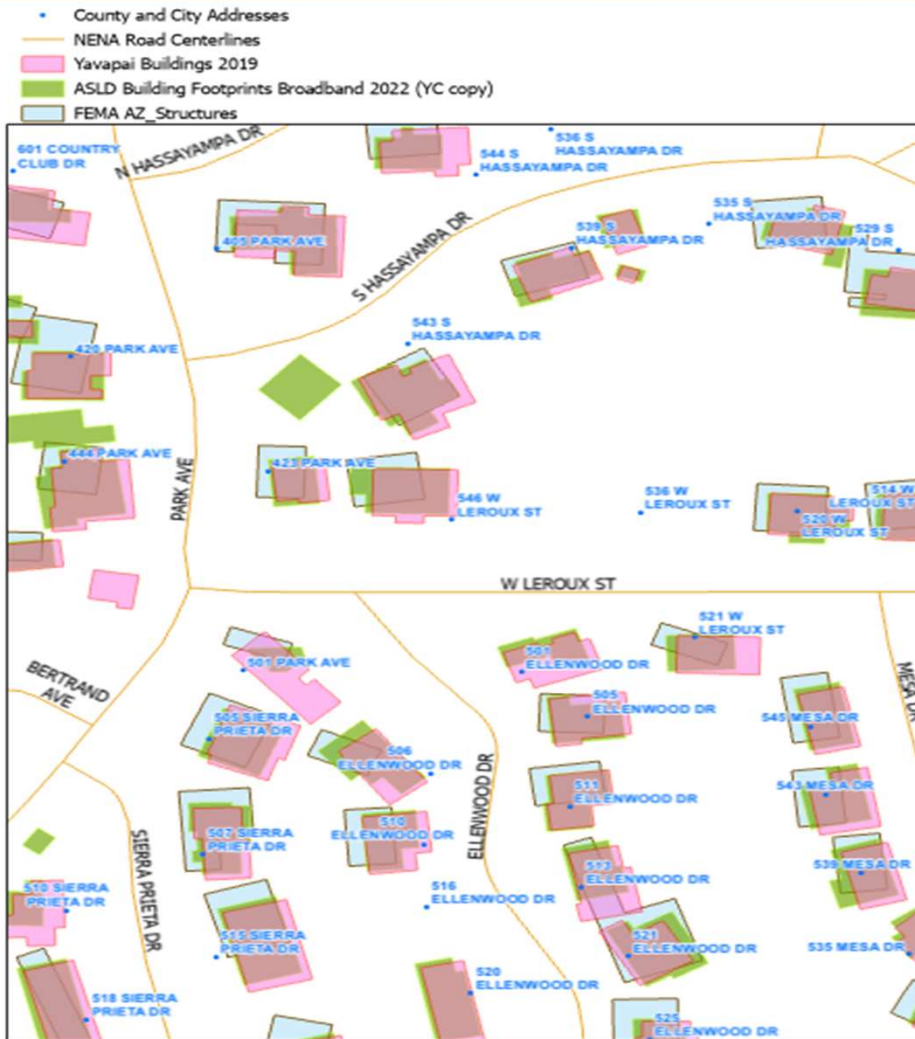
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# Interesting projects

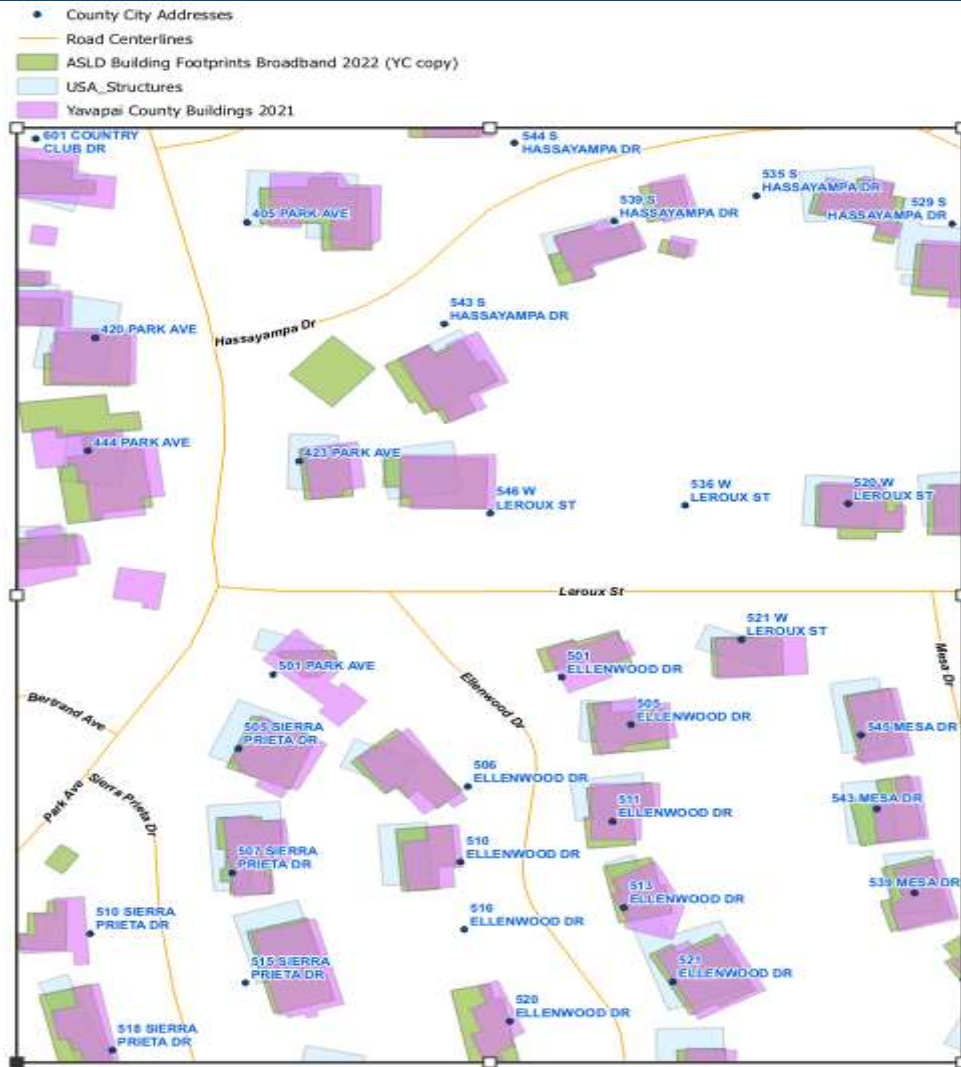
Converting building footprints from lidar data.

Comparing older county, State, and Federal footprints.



# Interesting projects

In purple, final County 2021 building footprints from lidar data.



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# Words of Advice

GIS → Geography → Computer Science

GIS has been nested under geography, but is becoming intertwined with computer science

Learn AGOL and associated tools/applications

Take advantage of internships/volunteering/mentoring.



# Brian Bond, Yavapai County ITS Data Services (GIS) Division

