MAGIP GIS Mentoring

Peer-to-Peer or Career

Montana Association of Geographic Information Professionals (MAGIP)
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MAGIP GIS Mentoring

Mentoring helps fulfill MAGIP’s purpose

MAGIP Constitution
Article II, Section 1. Education:

a. provide an objective educational forum
b. foster the exchange of ideas and studies
c. aid the advancement of its members
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Mentoring resources:

• **Self-service content online**
  - Additional linked resources
  - MT GIS Community topics
  - Training opportunities

• **Our MAGIP members who make themselves available as mentors**

• **Online directory** of MAGIP mentors including:
  - Mentor profiles with skills list
  - Mentor search capability
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Resources > Mentoring

Mentoring home http://www.magip.org/Mentoring
MAGIP GIS Mentoring

For Mentors:
http://www.magip.org/ForMentors

For Mentees:
http://www.magip.org/ForMentees

Mentoring Resources:
- Mentoring Code of Ethics
- Getting Started
- Mentoring Topics
- MAGIP FAQs
- MAGIP's GoToMeeting virtual meeting account
- Join.Me (free screen sharing)
- Skype (free video calling and conference calls)
- GISF Mentoring program
- Thoughts on Hiring Recent Grads with GIS Coursework
- Competencies: Ideal Student Outcomes from an Intro to GIS or Remote Sensing Course
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Mentoring Topics
In addition to the specific GIS skills you possess, all MAGIP mentors should be very familiar with these Montana practices, standards, and resources when you are offering guidance to others:

- MAGIP services: MAGIP listserv, Discussion Forums, User's Groups, and Conferences
- GIS Best Practices in Montana
- GIS Training Resources and Opportunities
- Montana Spatial Data Infrastructure (MDIM) framework data
- Montana Land Information Advisory Council (LIAAC) - see statues linked from the contact page.
- Montana State Library's role in Montana's GIS community, including online map applications, tools and how to request GIS data or information from Montana State Library
- Montana GIS Portal
- Metadata Standard for the Montana GIS Portal
- Montana GIS Data Clearinghouse at Montana State Library
- Montana State Plane Coordinate to Lat/Long Conversion tool (and vice versa)
- Statewide Raiders Shapefile conversion tool (GDB to SHP, etc.
- Montana public land survey information finder
- Montana Topographic Map Finder tool
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Basic Name Search (result shown) and Advanced Search
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Advanced Search: Search Results

Member Directory

Board Position: any of selected "Secretary, Professional Development Committee Chair"
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Member Profile Skills List

- **Skills**
  - Am I willing to be identified as a mentor? Yes
  - Am I currently accepting requests to mentor others? Yes
  - Preferred Method of Communication: Person-Person, Phone, Email
  - Employer Type: State Government
  - Specialty: Geodatabase Design, Cartography, Geoprocessing
  - ESRI Software: ArcMap, ArcCatalog, ArcToolbox, ArcGIS Desktop, ArcServer
  - Area of Interest: Addressing, Utilities
  - Specialty: Geodatabase Design, Field Data Collection
  - ESRI Software: ArcReader, ArcMap, ArcCatalog, ArcToolbox, ArcBuilder, ModelBuilder
  - Software: Crystal Reports, Adobe Illustrator, AutoCAD
  - Activity: GIS, Spatial Analysis, Metadata, Projections, Labeling, Imagery
  - Programming: VBA, SQL, Python
  - Hardware: SQL, Trimble

- **Skills**
  - Am I willing to be identified as a mentor? Yes
  - Am I currently accepting requests to mentor others? Yes
  - Preferred Method of Communication: Person-Person, Phone, Email
  - Employer Type: City Government
  - Specialty: Cartography, Geography
  - ESRI Software: ArcMap, ArcCatalog, ArcGIS Explorer, ArcGIS Server
  - Area of Interest: Education, Geography, Geospatial Analytics
  - Specialty: Cartography, Geoprocessing
  - ESRI Software: ArcMap, ArcCatalog, ArcGIS Explorer, ArcGIS Server
  - Activity: GIS, Spatial Analysis, Metadata, Labeling, Imagery
  - Programming: VBA, SQL, Python
  - Hardware: SQL, Trimble

- **Skills**
  - Am I willing to be identified as a mentor? Yes
  - Am I currently accepting requests to mentor others? Yes
  - Preferred Method of Communication: Person-Person, Phone, Email
  - Employer Type: State Government
  - Specialty: Conservation, Education, Geography
  - ESRI Software: ArcMap, ArcCatalog, ArcGIS Explorer, ArcGIS Server
  - Area of Interest: Education, Geography, Geospatial Analytics
  - Specialty: Cartography, Geoprocessing
  - ESRI Software: ArcMap, ArcCatalog, ArcGIS Explorer, ArcGIS Server
  - Activity: GIS, Spatial Analysis, Metadata, Labeling, Imagery
  - Programming: VBA, SQL, Python
  - Hardware: SQL, Trimble

- **Skills**
  - Am I willing to be identified as a mentor? Yes
  - Am I currently accepting requests to mentor others? Yes
  - Preferred Method of Communication: Person-Person, Phone, Email
  - Employer Type: City Government, County Government
  - Specialty: Geocoding, Versioning, Editing
  - ESRI Software: ArcMap, ArcCatalog, ArcGIS Explorer, ArcGIS Server
  - Activity: GIS, Spatial Analysis, Metadata, Labeling, Imagery
  - Programming: VBA, SQL, Python
  - Hardware: SQL, Trimble
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Getting Started

- Introductions:
  - Who is your employer and what GIS work do you do for them?
  - How much GIS experience and training do you have?
  - Where do you live?
- What is the mentoring goal? Accomplishing a specific task? Acquire a certain skill? Broad career guidance? All of the above?
- What type of communication does each person prefer: face-to-face, email, live chat, or GoToMeeting type conferencing?
- How long will it take to accomplish the goal? Does everyone agree that the goal might be achieved by the target date?
- How frequently will you meet or talk?
- How much time does the mentor have to help achieve the goal?
- What else do you expect of each other?
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