

[linkedin.com/in/andrewmacias2070](https://www.linkedin.com/in/andrewmacias2070)

**Projects Portfolio & Website:** <https://andrewmacias.com>

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## **Professional Experience**

**GIS Analyst & Consultant**  
ABS Group Consulting Inc.

**Washington, D.C. (Remote)**  
*September 2023 - Present*

- Currently collaborating with a diverse team of partners from various organizations to enhance FEMA's Federal Flood Risk geospatial database by converting flood studies into raster mapped flood predictions.
- Responsible for validating and accessing both existing hydrological data and historical research of FEMA's flood hazard geospatial database, ensuring the accuracy, reliability, & validity of information crucial to the program's success.
- Designed a company wide survey aimed to optimize and enhance our use of GIS throughout ABS Group.

**GIS Assistant II**  
North State Planning & Development Collective

**Chico, CA (Remote)**  
*2022 - August 2023*

- Contributed to the maintenance and updating of the USGS National Hydrography & Watershed Boundary Dataset utilizing current landsat imagery and elevation data to edit the point, area, and line features and their associated attributes and metadata.
- Developed comprehensive GIS documentation, encompassing detailed procedures and workflows, to ensure clarity and accessibility and ensured deadlines were met for individual and group work.
- Ensured adherence to established compliance standards and data quality by actively participating in thorough quality assurance checks of the datasets and their features.

**Geography Club President**  
California State University, Chico

**Chico, CA**  
*2022 - May 2023*

- Planned and organized meetings and events for the geography club, including social activities, networking events with professionals, and practice interviews.
- Collaborated with the city of Chico and the geography department on campus to promote the study of geography and encourage interdisciplinary connections.
- Kept records of club activities and events, and maintained the club's website and social media presence.

**Student Assistant & Tutor** for Physical Geography Classes  
California State University, Chico

**Chico, CA**  
*2022 - May 2023*

## **Education**

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**Bachelor's in Human Geography & Planning | Minor in Geospatial Literacy**  
California State University, Chico

*May 2023*

## **Certifications**

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**Certificate in Geospatial Technology**  
California State University, Chico

*May 2023*

## **Additional Skills & Awards**

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- Proficient in C++, Esri Suite, FEMA Apps (FFRMS & CNMS), Hydrology, Microsoft Office, and Adobe Suite
- Eagle Scout Award (2015)