

# Hamish Henderson

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## Education and Certifications

**GIS Professional (GISP) Certification** Jan 2022

**University of Redlands, California** Jan 2018 - Dec 2018  
Master of Science – GIS

**Fort Lewis College, Colorado** Sept 2012 - Apr 2016  
Bachelor of Arts – Environmental Studies (ENVS)  
GIS Certificate

## Relevant Projects

**University of Redlands,** Jan 2018 - Dec 2018  
*Major Individual Project (MIP)*

- Worked with the City of Aspen to improve asset management for their electric network.
- Built numerous field data collection apps.
- Edited the electric Geodatabase to function correctly as a Geometric Network.
- Created a concept augmented reality application for viewing electric assets.

**Fort Lewis College,** Jan 2016 - April 2016  
*Senior Seminar Project*

- Used Landsat imagery to determine surface area change in California's reservoirs before and during their drought.
- Concluded with a research paper, poster, and public presentation. Poster was chosen to represent the ENVS program at numerous campus events.

**Fort Lewis College,** Sept 2015 - Apr 2016  
*Independent GIS Projects*

- Used a drone and photogrammetry to perform spatial analysis on gullies caused from erosion around Durango, CO.
- Mapped water quality levels in the Animas River after the August 2015 Gold King Mine Spill in Silverton, CO. Created animated maps for public outreach events

## Software Skills

- Proficient with Esri products: ArcMap 10.x, ArcGIS Pro 2.x, AGOL, ArcGIS Server 10.3, Survey123, Collector, Modelbuilder, AppStudio, and WebAppBuilder for Developers
- Knowledgeable: Python, Pix4D, SQL, R, OSM, JOSM, CAD, QGIS, Graphical Modeler, Garmin GPS products, Microsoft Office Suite, and Photoshop

## Work Experience

**Kaart, GIS Technician 2**  
Current

Feb 2021-

- Performed QC on other team members' work utilizing JOSM to update road infrastructure data.
- Successfully trained multiple new hires.

**Kaart, GIS Technician 1**  
Feb 2021

Dec 2019 -

- Contributed and edited road infrastructure data to the OpenStreetMap (OSM) mapping platform.
- Traveled internationally to collect street infrastructure footage.
- Assisted and led small, as needed projects as requested by our client, utilizing JOSM and QGIS

**Insight Global, GIS Technician** June 2019 - Dec 2019

- Analyzed data to determine where vegetation needs to be trimmed around PG&E power lines for wildfire prevention using QGIS. Created heat maps for PG&E field crews.
- Assisted in creating and troubleshooting scripts/models for downloading data and running analysis processes.

**City of Aspen, GIS Analyst** May 2017 - Aug 2017

- Assisted the GIS Coordinator on projects throughout the Aspen City Government using numerous different Esri products .
- Worked on building a GIS electric network for the Utilities Department.
- Responsible for communicating to the public by answering any questions or requests.

**City of Aspen, GIS Intern** May 2016 - May 2017

- Worked and communicated with different departments throughout the Aspen City Government; implementing and maintaining their Geodatabases.
- Created numerous desktop and online based maps for clients and public events.
- Processed LiDAR data for the Aspen area, derived DEM's and intensity raster's.

**Fort Lewis College,** Jan 2016 - Apr 2016  
*GIS Tutor and Teacher Assistant*

- Aided the professor during Intro GIS labs.
- Held a weekly tutoring help session.

## Involvement and Achievements

- Volunteer coach for the San Ramon Valley High School Mountain Bike Team Jan-2019 - Dec 2019
- GIS Volunteer at San Bernardino County Museum July 2018 - Dec 2018
  - GIS data entry for anthropology dept.
- Volunteered to help relief efforts after Caribbean hurricanes Fall 2017
  - GIS aid work through the HOT team.
  - Rebuilt roofs at a resort in Turks and Caicos.
- Completed over 30 Esri courses 2016 - 2018
  - Both instructor led and online based

Project Manager:

-Managed an international team of travelers, editors and software developers. Worked with a partially remote team and trips that were scattered through the world

-Led and managed over 40 ground imagery collection trips. Including traveler safety, travel logistics, client demands

-Oversaw a small team of software developers responsible for uploading and creating an imagery viewing platform. Acted as the bridge between editor team and clients to software

-Was the client point of contact and would produce weekly, quarterly, and project reports in a understandable

-Operated and conducted all HR things for my team. the hiring process, time cards, budget, etc

-Acted as the technical expert for project proposals, providing technical demos, creating canva and web maps as needed

-Led a team of GIS analyst in solar farm location suitability projects for major utility companies

- Managed an international team of travelers, editors, GIS analysts, and software developers, coordinating across multiple time zones and partially remote operations to support global ground-imagery initiatives.
- Led and executed more than **40 field-based imagery collection deployments** worldwide, overseeing traveler safety, travel logistics, technical planning, and alignment with client requirements.
- Supervised a small team of software developers responsible for building and maintaining an internal imagery-viewing platform, acting as the bridge between clients, editors, and engineering to translate project needs into actionable technical tasks.
- Served as the primary client point of contact, delivering clear and accessible **weekly, quarterly, and full-project reports**, ensuring transparency, expectation management, and project alignment.
- Oversaw all HR-related operations for the project team, including hiring, onboarding,

workload planning, timecard management, budgeting, and overall team performance.

- Functioned as the technical subject-matter expert for new project proposals, providing demonstrations, creating web maps and Canva-based visual assets, and advising on geospatial workflows.
- Led a team of GIS analysts on **solar farm suitability and site-selection projects** for major utility companies, ensuring high-quality spatial analysis and data-driven recommendations.
- As Project Manager, I oversaw a globally distributed operation focused on ground imagery collection, geospatial analysis, and software-supported data delivery. I led more than 50 international field deployments, managing traveler safety, logistics, and client requirements while coordinating a hybrid team of travelers, editors, GIS analysts, and software developers. I acted as the primary liaison between clients and technical teams—translating needs into actionable tasks, ensuring on-time platform updates, and producing clear weekly and quarterly project reports. I also handled HR responsibilities, including hiring, budgeting, scheduling, and team performance. In addition to operational leadership, I served as the technical expert for proposals, delivering demos and producing web maps and visual assets, and led GIS analysts on utility-scale solar suitability and site-selection projects.