

HARLEY EMERY

HUMANITARIAN DATA ANALYSIS &
GEOSPATIAL INTELLIGENCE SPECIALIST

DETAILS

PHONE

+1.541.515.7659

EMAIL

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LINKS

[LinkedIn](#)

SKILLS

Microsoft Office (Word, Excel, PowerBI, PowerPoint)

Adobe Products
(Illustrator, InDesign)

Data analysis and visualization
(RStudio, PowerBI, Tableau, Excel)

Writing for reports, media and web materials

Research design: qualitative and quantitative; survey design; KIIs and FGDs (Kobo, Microsoft Forms, MaxQDA)

Program Management
(budget management, operations, event organizing, leadership)

Training and onboarding:
technical capacity building, data collection

GIS Software (ArcGIS Pro, ArcGIS Online, QGIS)

Satellite Imagery and Remote Sensing Analysis

Drone imagery collection and management (FAA Part 107)

LANGUAGES

English

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Spanish

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Arabic

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PROFILE

A humanitarian with a strong background in data analysis, geospatial intelligence (GEOINT), mixed-methods research, and information product design. With over seven years of experience in crisis response, migration research, conflict analysis and displacement tracking, I specialize in implementing research and data collection processes, developing strategic analytical workflows, and creating engaging outputs to drive impact for diverse end-users.

EDUCATION

Master of Science in Geospatial Intelligence, University of Maryland College Park
Feb 2024 — expected Feb 2026 (part-time) (remote)

Bachelor of Arts in International Studies and Geography (GIS track), Eugene
University of Oregon
Sep 2015 — Dec 2019

Graduated with 3.87 GPA, Dean's List, Cum Laude

EMPLOYMENT HISTORY

Research Consultant, International Organization for Migration (IOM) Vienna, Austria
Regional Office for Central Asia and Europe
August 2025 - December 2025

- Leading a multi-country mixed-methods study on labor migration pathways from Central Asia to Poland and Lithuania, including design of methodology, desk analysis, survey development, and outreach strategy.
- Conducting 20+ key informant interviews with government officials, consular officers, employers, labor unions, NGOs, and diaspora leaders across both countries; and collecting online survey data from migrants.
- Analyzing emerging patterns in migration data, recruitment abuse, documentation barriers, legal vulnerability, trafficking risks, and integration challenges affecting Uzbek, Tajik, Kyrgyz, Turkmen and Kazakh migrants.
- Producing actionable findings and policy recommendations for safe mobility channels, improved coordination, and rights protections.

Data Analysis Consultant, IOM Estonia Tallinn, Estonia
August 2025 - October 2025

- Analyzed survey data on refugee health needs in Estonia, identifying access barriers, service gaps, and key vulnerability patterns.
- Conducted desk research on national health systems, refugee entitlements, and integration support within Estonia and the broader EU.
- Developed clear data visualizations and thematic summaries to support evidence-based decision-making.
- Synthesized findings into a comprehensive report with actionable recommendations to strengthen services and targeted health programming for refugees.

Founder and Lead Analyst, Charted Consulting LLC Remote
March 2025 — present

- Founded Charted Consulting and serve as Principal: Oversee day-to-day operations (project delivery, budgeting, proposals/contracts) while leading business development, strategy and partnerships.
- Research and project coordinator: design mixed-methods research (study design, KIIs/FGDs, survey instruments, sampling, analysis plans) and author evidence-based reports, briefs, and GEOINT products.
- Lead data analyst: plan project work-flows; source, clean and analyze data; conceptualize and implement visualizations for reports and outputs depending on client needs.
- Build decision-support products - maps, data visualizations, and reports -to translate complex data into actionable insights for teams.

AWARDS

USGIF Symposium "Golden Ticket" Winner 2025

SXSW's Student Startup Madness competition
Top 8 Finalist

University of Oregon Business School's
"New Venture of the Year" (Avertio)

University of Washington Start-up Competition
1st place "Start-up with Global Reach"

University of Oregon Hackathon, "Insomnihack"
2nd place team

REFERENCES

References available upon request.

Data and Research Officer, IOM Poland

Nov 2022 — Mar 2025

Warsaw, Poland

- Led the Data and Research Unit (including the Displacement Tracking Matrix portfolio), providing data and analysis for organizations supporting migrants in Poland. Led a team of 17 staff and managed the unit's data activities.
- Oversaw end-to-end information production processes — from identifying data needs to research design, data collection, analysis, reporting, and dissemination — ensuring timely and actionable evidence for partners.
- Introduced new stakeholder engagement approaches including interactive dashboards, report launch events, and regular insights newsletters.
- Led mixed-methods research on migrant demographics, intentions, vulnerabilities, and integration to inform stakeholder decision-making.
- Represented IOM in inter-agency coordination forums on data and analysis, including the Information Management Working Group.
- Organized and hosted an inaugural conference for 150 attendees, titled "Women in Humanitarian Data and Research" in May of 2024. Identified and liaised with guest speakers, engaged donors and IO stakeholders, designed the agenda, emceed and facilitated panel discussions.

DTM GIS Specialist, IOM Headquarters

Jan 2020 — Nov 2022

Geneva, Switzerland

- Created maps, dashboards and data visuals for IOM HQ, regional offices and country missions, including for many emergency responses. Supported IOM work in Ukraine, Lebanon, Ethiopia, West Africa, the Mediterranean, Balkan region; among others.
- Worked with low-code tools and integrations (Power BI, ArcGIS Online) to make data more accessible and actionable for decision-makers and non-technical users.
- Provided surge support through a deployment in Ukraine (April 2022): set up data collection activities to monitor and track internal displacement in Ukraine and refugee flows to the surrounding region.
- Conducted GIS trainings for IOM staff in country and regional offices, managed GIS databases and data portals, and advised staff on technical challenges.

Co-founder and COO, Avertio LLC

Oct 2018 — Dec 2020

Tripoli, Libya (Tunis/remote)

- Co-founded Avertio, a crowd-sourced conflict mapping and alert system that scaled to 20K+ active users in Tripoli, Libya. The mobile app allowed users to map and verify events such as militia checkpoints, unexploded ordnance, flooding, car accidents, and active shooting, among others.
- Led product development with a small team of software developers and UI/UX designers.
- Identified and refined user needs through interviews, surveys, and app demos with humanitarian and diplomatic teams working in conflict areas, as well as with individuals from affected communities.
- Designed pitch decks, business strategy documents, demo presentations, and user tutorials. Presented Avertio to audiences of business, academic, government, humanitarian, and security professionals.
- Trained and managed moderator teams based in Libya to ensure data quality. Performed reliability analysis on Avertio's conflict data using GIS software and open-source analysis - including through ACLED data.

Research Assistant, University of Oregon
Department of Geography

Jul 2018 — Dec 2019

Eugene, Oregon

- Performed in-depth desk research on sovereign-level disaster risk insurance programs in African nations: utilized open source data, collected, coded, and analyzed government and NGO documents relating to drought insurance and drought emergency contingency planning.

PUBLICATIONS

International Organization for Migration Estonia (2025). **Access to Healthcare for Refugees from Ukraine.** (Sole analyst and author). <https://reliefweb.int/report/estonia/estonia-access-healthcare-refugees-ukraine-july-august-2025>

Tomaszewski, B., Shakhovska, N., **Emery, H.**, & Śniatała, P. (2024). **Forced Displacement Situation Awareness with Large Language Models: Ukrainian Refugees in Poland Case Study.** Proceedings of the International ISCRAM Conference. <https://doi.org/10.59297/cw2cbv88>