



MIHAI GAINA

GEOMATICIAN DATA DEVELOPER & GEOMARKETING

Seeking M1 Internship — Geomarketing / Spatial Data (April–July 2026)

CONTACT

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- 🚗 Driving Licence (B)

DEVELOPMENT & DATA

- Python (pandas, geopandas, matplotlib)
- SQL / PostGIS (spatial queries, ETL)
- Data analysis, spatial statistics
- Workflow automation

GIS & GEOMATICS

- QGIS, ArcGIS Pro
- Advanced spatial analysis
- SNAP (remote sensing)
- SaTScan (cluster detection)
- d3-geo, Leaflet

GEOMARKETING

- Catchment areas
- Network optimization
- Territorial scoring
- Geographic KPIs

DATABASES

- PostgreSQL / PostGIS
- pgAdmin 4
- Supabase

WEB & VISUALIZATION

- React 19, TypeScript
- Tailwind CSS, Vite
- HTML, CSS, JavaScript
- Git, GitHub, Vercel

LANGUAGES

French
Fluent (C1), read, spoken and written

Romanian
Native

Russian
Fluent, read, spoken and written

English
Improving (A2-B1)

CERTIFICATIONS

- Workplace First Aid (SST)
- Electrical Clearance

PROFILE

Geomatician specializing in spatial data and geomarketing, with over five years of experience in acquiring and processing large-scale geospatial data on infrastructure projects (metro, telecom networks). Skills: Python, QGIS/ArcGIS, PostgreSQL/PostGIS, web development (interactive mapping).

EXPERIENCE

Auscultation & Topography Technician 09/2020 – 03/2026
SOCOTEC MONITORING — Palaiseau, France

- Collection and processing of geolocated data on major infrastructure projects (metro, ports)
- Processing and analysis of measurement data (convergence, levelling, deformation)
- Field database management (thousands of records)
- Trend analysis and anomaly detection
- Automation of processing and analysis workflows with Python
- *Projects: Metro L15 T3A/T2C; L16 L1/L2/L3; EOLE; Tisseo M3GC03; Port of Brest; CHAGAL*

Real Estate Agent 06/2019 – 08/2020
Go Imobil — Chisinau

- Property listings creation and distribution, field prospecting
- Property valuation and market price estimation
- Organizing visits and guiding buyers/tenants

IT Support Technician 09/2014 – 09/2017
Moldtelecom — Chisinau (Permanent)

- Technical troubleshooting and problem resolution
- Network data analysis and user support

PROJECTS

Interactive Portfolio — mihaigna.dev
React 19 + TypeScript + Vite 7 + Tailwind v4 + Supabase
Personal website with animated Canvas globe (d3-geo), i18n 3 languages, code splitting. Lighthouse 99/100.

Clad-Primeco — clad-primeco.vercel.app
React 19 + TypeScript + Tailwind + Supabase + Vercel
Professional business website: admin dashboard, contact management, SEO optimized, CI/CD.

EDUCATION

Master's in Geomatics (G2M) 2025 – 2027
Université Paris 8 — Saint-Denis (in progress)

- Spatial analysis, cartography, spatial databases (PostGIS)
- Remote sensing, Python/R programming

Bachelor's in Biomedical Engineering — Honours
Technical University of Moldova — Chisinau
2015 – 2019

BTS in Computer Science — High Honours
Centre of Excellence — Chisinau
2011 – 2015

ACADEMIC PROJECTS

- **Multicriteria Spatial Analysis** of Saint-Étienne: AHP/WLC method (ArcGIS Pro, IDRISI)
- **Dengue Analysis in Girardot** (Colombia): SaTScan clusters, Moran/Getis-Ord
- **Jakarta Floods**: multi-sensor Sentinel-2 remote sensing

INTERESTS

Tennis (7 years, competition) • **Travel** (Europe: Ireland, Italy, Spain, Germany) • **Tech watch** (geomatics, AI, web development) • **Photography** (landscapes, drone)