

Gerardo Ezequiel Martín Carreño

Architecture, data and intelligence, from open evidence to board-ready roadmap.

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PROFILE

I design geospatial and data products from research question through architecture, model, interface and delivery plan. The work combines open data, spatial validation and browser-native tools, with explicit boundaries between prototype, production and evidence. At CommunityAI I serve as CTO-designate, responsible for the open-data rebuild and its technical direction within a collaborative founding team.

SELECTED PROJECTS

Ventures and platform builds

2026-present	CommunityAI Chief Technology Officer (Designate) Technical direction for an early-stage community-intelligence proof of concept, within a collaborative founding team. Project case
2026-present	Climate Intelligence Founder and full-stack developer Open-core climate instrument, from data adapters to an agent-callable tool surface. Project case Live project
2024-present	Geospatial Careers Founder and lead developer Founder-built data product and PostGIS and dbt platform for the geospatial field. Project case

EXPERIENCE

Professional experience

2026-present	Chief Technology Officer (Designate) CommunityAI, London Set the technology and data direction for an early-stage, privacy-safe community-intelligence proof of concept. Led an open-data rebuild with spatial validation, provenance, licence governance and reproducible release controls.
Sep 2023-May 2026	Full-Stack Spatial Data Scientist TJX Europe, London Delivered geospatial analysis for European markets and built cloud-native workflows connecting loyalty, footfall and demographic evidence.
Feb 2022-Feb 2023	Researcher and Spatial Data Analyst Metabolism of Cities · Horizon 2020 CityLoops, from London Co-developed and co-authored CityLoops' Urban Circularity Assessment method; managed two analysts.
Jan 2020-Feb 2023	Freelance Spatial Data Analyst Ecotopia Urbana · Canary Islands and Catalonia Delivered freelance urban-sustainability consulting and spatial evidence for the Urban Agenda for the Canary Islands.

CAPABILITIES

Technology leadership and delivery

Product and solution architecture System architecture, APIs and agent tools, technical decision records and prototype-to-product planning.	Data and ML platforms Open-data platforms, PostGIS, DuckDB, GeoParquet, STAC and DCAT catalogues, provenance and quality gates.
Delivery and governance Roadmaps, architecture decisions, data licences, model validation, privacy boundaries and reproducible release gates.	Commercial and strategic direction Product positioning, build-versus-buy analysis, open-core boundaries and board-ready technical communication.

EDUCATION

Education and training

2022–2024	MSc Urban Spatial Science Centre for Advanced Spatial Analysis, The Bartlett, UCL · Distinction
2020	Software Engineering Immersive General Assembly
2018–2019	MSc Sustainable Intervention in the Built Environment (MISMeC) Vallès School of Architecture, Universitat Politècnica de Catalunya
2017–2019	MSc Sustainability Science and Technology University Research Institute for Sustainability Science and Technologies, Universitat Politècnica de Catalunya

COMMUNICATION

Selected talks and conversations

Mar 2026	Adapting Cities with AI Academy alumni panellist · Urban AI Conversation #49
May 2025	From location analysis to full-stack spatial data science Speaker · Spatial Data Science Conference, Royal Geographical Society

Project case studies and their supporting documents are available in the work index.