Lucas Rodés-Guirao

Sr Data Scientist/Engineer

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Barcelona, Spain

I like to dance at 120 bpm.

EXPERIENCE

Senior Data Scientist
Our World in Data
Apr 2021 - now — 3+ years, remote

- COVID-19 global dataset (used by WHO, NYT, FT, etc.).
- Demography (Population, Life Expectancy), Health (Suicide, Mental Health, Pandemics), Ozone Layer, War & Peace, Democracy.
- Development and maintenance of our ETL.
- Paper: Various authors, A global database of COVID-19 vaccinations. *Nature Human Behaviour*, May 2021.
- Paper: Various authors. Best practices for government agencies to publish data: lessons from COVID-19. *The Lancet Public Health*, May 2024.

Data Scientist
eDreams Odigeo
Jun 2018 - Apr 2021 — 3 years, Barcelona (Spain)
Analysis and data exploration of user-behavioural data to build predictive models for various products. Research and implementa-tion of ML models to connect flights. Development of Internal tools.

Deep Learning Researcher
National Institute of Informatics
Nob 2017 - May 2018 — 6 months, Tokyo (Japan)
Thesis: Deep learning for digital typhoon: Exploring a typhoon satellite image dataset using deep learning. 2019.

Machine Learning Engineer
Tracy Trackers
Apr 2017- Mar 2018 — 1 year, Stockholm (Sweden) and remote
ML applied to a pet-health wearable. Early-stage startup (8 people).

Teaching Assistant
KTH Royal Institute of Technology 2017 — 1 year, Stockholm (Sweden)

Research Assistant
Karlsruhe Institute of Technology Q2, Q3 2015 — 6 months, Karlsruhe (Germany)

EDUCATION

M.Sc in Electrical Engineering
KTH Royal Institute of Technology
Sep 2015 - Jun 2018 — Stockholm (Sweden)

M.Eng, B.Eng in Telecom
Polytechnic University of Catalonia
Sep 2011 - Jun 2018 — Barcelona (Spain)

PROJECTS (SAMPLE)

ETL documentation
docs.owid.io/projects/etl
Documentation at OWID.

whatstk
github.com/lucasrodes/whatstk
Analyse WhatsApp chats.

Demography explorer
ourworldindata.org/explorers/
population-and-demography
Explore demography indicators.

Social
lcsrg.me
x.com/lucasrodesg
linkedin.com/in/lucasrodes
github.com/lucasrodes

Industry Knowledge
Open Source
Data Viz
Machine Learning
Information Theory
Statistics
Metadata design
AB Testing
Social media & coms
Public data

Tools & Technologies
Python, GitHub, VS Code, LLMs, Figma, GCP, SSH, SQL, Bash, Streamlit, DaVinci Resolve, CI/CD, Raspberry Pi, pandas/numpy, S3, Linux

Other Skills
Documentation, Metadata curation, Attention to detail, HTML/CSS/JS (basic)

Languages
Spanish, Catalan (native)
English, German (fluent)

Others
- DJ/Producer
- Maths/Physics support teacher
- Volunteer in young org of home town