

LILIANA GARMENDIA CAMPOS

Data Scientist | Biochemist Transitioning to Tech

Email: liliana.garmendia.c@gmail.com | **LinkedIn:** linkedin.com/in/liliana-garmendia-c

GitHub: github.com/LiliGC | **Portfolio:** liligc.github.io

PROFESSIONAL PROFILE

Biochemist (PUCV) transitioning to Data Science and Machine Learning. Since 2022, completed Full Stack Python, Data Science, and ML bootcamps (AWS re/Start, Oracle ONE, Alura Latam). Combines scientific rigor with technical skills for end-to-end data solutions. Part of the Python Chile coordination team and dev team, actively contributing to community initiatives.

EXPERIENCE

Machine Learning Projects | Independent Developer – 2024-Present

- Predictive models using Scikit-learn (breast cancer classifier, 96% accuracy, ROC, interpretable features).
- REST APIs with Flask/FastAPI, CI/CD with GitHub Actions, interactive apps with Streamlit.
- Containerized applications with Docker/Docker Compose.
- Stack: Python, Scikit-learn, TensorFlow, Flask, FastAPI, Streamlit, Docker.

Coordinator | Python Chile (Coordination & Dev Team) – 2024-Present

- Community coordination and PyCon Chile website development (Next.js, React, TypeScript).
- PySchool Chile instructor (2 years), PyLadies Bioinformatics trainer (international program).

Full Stack Python Developer | Freelance – 2022-2023

- E-commerce platform for lab supplies (authentication, roles, Django, MySQL).
- Database design, backend, responsive frontend.

Science Tutor | Independent – 2014-2022

- Tutored high school students in chemistry, physics, and math.

Biochemist – Clinical Research | PUC – 2010-2014

- Labs: PCR, Western Blot, cell culture, IF, electron microscopy.
- International conferences and three national presentations.

COMMUNITY & ACHIEVEMENTS

- AWS re:Invent 2023 – Selected among thousands (All Builders Welcome Grant)
- Outreachy (Bioconductor): two contributions periods (2023, 2024)
- Hackathons: Globant Code-Fest, País Digital (EY/Microsoft, 2023)
- AWS Community Days Chile: volunteer (3 events)
- Mentorship programs: AWS She Builds Latam, Women Who Code, Cajigo, Mujeres x Talento Digital, Womaker Code, IT for Girls (NTT DATA/Claroty)

EDUCATION

- Machine Learning Bootcamp | Kibernetum | 2025 (in progress)
- Data Science Bootcamp | Aspasia | 2023
- AWS re/Start | 2022-2023
- Oracle ONE + Alura Latam | 2022-2023
- Full Stack Python Bootcamp | Awakelab | 2022
- Biochemistry | Pontificia Universidad Católica de Valparaíso | 2005-2011

CERTIFICATIONS & SCHOLARSHIPS

- AWS Solutions Architect Associate (NOV 2024)
- AWS AI Practitioner (AUG 2025)
- Google Cloud Computing Foundations (2024)
- AWS Cloud Practitioner (FEB 2023)
- Scholarships: Santander-Coursera (2025), O'Reilly DEiJ Platform (2024), DataCamp DC Donates (2024, 2025), Platzi (2023)

TECHNICAL SKILLS

- **Data Science & ML:** Python, Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib, Seaborn, Jupyter, Google Colab
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, SageMaker), Docker, Git, GitHub, CI/CD
- **Development:** Django, Flask, FastAPI, HTML5, CSS3, JavaScript, React (basic), Next.js (basic)
- **Databases:** MySQL, PostgreSQL, SQLite
- **Bioinformatics:** R, genomic/microbiome data analysis, molecular biology
- **Languages:** Spanish (native), English (C1)

FEATURED PROJECTS

github.com/LiliGC/advanced-breast-cancer-classifier
github.com/LiliGC/iris-classifier-flask-streamlit