Rafael Elberg

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Education

University of Toronto, Computer Science — Toronto, Canada
- Admitted with funding to the PhD program.
- Supervised by Professor Sheila McIlraith.

Jan 2026 – present

Pontificia Universidad Católica de Chile, Computer Science — Santiago, Chile
- Affiliated with the National Center for Artificial Intelligence (CENIA).

Jan 2023 – Jan 2025

Pontificia Universidad Católica de Chile, Computer Science — Santiago, Chile

Jan 2018 – Jan 2023

Experience

Pontificia Universidad Católica de Chile (PUC), Instructor — Santiago, Chile
Teaching the discrete mathematics IIC1253 course during the first semester of 2026.

Jan 2026 – present
2 months

National Center for Artificial Intelligence (CENIA), Master's Student — Macul, Chile
Collaborated on research related to artificial intelligence.

Jan 2023 – Jan 2025
2 years 1 month

Pontificia Universidad Católica de Chile (PUC), Teaching Assistant — Santiago, Chile
Teaching assistant for the Artificial Intelligence, Deep Learning Computer Architecture and Advanced Programming courses.

Jan 2020 – Jan 2025
5 years 1 month

Publications

Long tail image generation through feature space augmentation and iterated learning
Cited by 5.
R Elberg, D Parra, M Petrache

A Compressive-Expressive Communication Framework for Compositional Representations

R Elberg, F del Rio, M Petrache, D Parra

ihealth-chile-1 at rrg24: In-context learning and finetuning of a large multimodal model for radiology report generation
Cited by 2.
D Campanini, O Loch, P Messina, R Elberg, D Parra

Skills

Artificial Intelligence & Computer Vision

Languages

Spanish
Native (Raised in Madrid and Chile)

English
Fluent (Grew up in Boston, MA)

Portuguese
Fluent (Raised by a Brazilian mom)

Projects

Feature-Space-Augmentation-and-Iterated-Learning
Official implementation for Long Tail Image Generation Through Feature Space Augmentation and Iterated Learning.
- Written in Python.

CreativAI-UC/Tutoriales
Tutoriales para creación de redes neuronales y manejo musical.
- Includes Jupyter Notebook resources.

IIC2613-Inteligencia-Artificial-2022-1/Syllabus
Repositorio base del curso, donde se publicarán enunciados, ayudantías y se resolverán dudas.