

Gustavo Costa

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Education

- London Interdisciplinary School**, MSc in Interdisciplinary Problems and Methods – London, UK 2024 – 2025
- Student representative at the Equality, Diversity and Inclusion Committee
 - Grade: Distinction
- Faculdade Inspirar**, Specialist in Lacanian Psychoanalysis – Brasilia, Brazil 2019 – 2022
- Grade: 9.1/10
- University of Brasilia**, Bachelor in Psychology – Brasilia, Brazil 2014 – 2019
- Student representative at the Academic Centre
 - Grade: 4.5/5.0

Research Experience

Master's Dissertation: 'What is AI slop?'

Mixed-methods research on AI slop, developing a four-dimensional taxonomy (themes, metaphors, qualities, types) and comparing linguistic patterns of AI-generated and human-written news.

- Integrated qualitative and computational approaches to build a novel framework for analyzing AI-generated text.
- Conducted literature review spanning computer science, philosophy, psychology, and media studies.
- Applied NLP techniques including topic modelling, sentiment analysis, and LLM-based methods.
- Curated a new dataset through web scraping while ensuring compliance with research ethics.
- Performed exploratory analysis, data mining, statistical testing, and visualization of results.
- Disseminated findings through public scholarship (blog posts).

Professional Experience

- Psychotherapist**, Espaço Psique Psychology Clinic – Brasília, Brazil 2020 – 2024
- Provided psychoanalytic counselling and produced psychological reports.
 - Maintained detailed records while upholding confidentiality.
 - Conducted research on philosophy of psychology, published essays, and presented at conferences.
 - Managed client documentation, healthcare insurance processes, and a professional Instagram page.
- Psychotherapy Intern**, CAEP/UnB – Brasília, Brazil 2017 – 2020
- Delivered psychoanalytic counselling and triaged patients.
 - Documented sessions for case studies and academic purposes.
 - Collaborated in group supervision and multidisciplinary case discussions.

Technical Projects

- Intersect** 📄 2025
- Job board that uses NLP (ML, embeddings, reranking) to find more relevant roles. Deployed as streamlit app.
- LexGPT** 📄 2023 – 2024
- AI services for lawyers. RAG app with flask back-end and vanilla javascript front-end.

Qualitative Projects

- simulacro.co.uk** 📄 2024 – present
- Essays on data science, AI ethics and philosophy of science.

<u>Fora Freud</u> ↗	2021 – 2024
Essays on philosophy and psychoanalysis (in Portuguese)	
<u>@simulacro.psi</u> ↗	2021 – 2024
Instagram page that posts a handpicked philosophy quote every day (1.5k followers).	

Creative Projects

<u>Prophetic Strategies</u> ↗	2024
Data/art project about oracular philosophy and AI. Streamlit RAG app with fine-tuned LLMs.	
<u>Learning to Love the Labyrinth</u> ↗	2023
Art-house video game.	

Publications and Talks

The midnight sun: Popper and rationality without foundations	2023
<i>Psychoanalysis and Science Research Group at APOLa SP</i>	
• Two lectures on philosophy of science	
Xenofeminism	2025
<i>Thinking Out Loud project at the London Interdisciplinary School</i>	
• Lecture on critical theory and philosophy of nature	

Awards

Hackathon Winner: AI safety hackaton (Holistic AI & UCL AI Society)	2024
Stereotype detection in large language models using sparse autoencoders.	

Certificates

- HarvardX Introduction to Artificial Intelligence
- Introduction to Contemporary Science Studies: Weaving Knowledge Practices (APPH)
- Living and Dying in the Chthulucene: Donna Haraway's Ethics of Care (APPH)
- Psychoanalysis and Gender Dissidences: Transphobia, Power, and Resistance

Skills

Psychotherapy: Emotional intelligence, effective communication, attention to detail

Philosophy: Research skills, critical reading, essay writing

Programming: Python, git, HTML/CSS/JavaScript/TypeScript, Cursor

Application & Dashboard Deployment: Streamlit, Tableau, Heroku, Vercel, Flask

Data Science: Data cleaning, data mining, data visualization (Pandas, NumPy, Matplotlib, Seaborn)

Natural Language Processing: Text classification, topic modelling, sentiment analysis, embeddings (spaCy, NLTK, Gensim, Flair, BERTopic, sentence-transformers)

Machine Learning: Model training, evaluation, and interpretability (transformers, scikit-learn, PyTorch, SHAP, LIME, Sparse Autoencoders)

AI Engineering: RAG pipelines, LangChain, vector databases (Pinecone), fine-tuning, context engineering

Game Development: Visual design & prototyping (Canva, Figma, Krita), game design (Unity, Godot, Blender)

Languages: Portuguese (Native), English (Fluent), Spanish (Intermediate)