Julián Szereszewski

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Education

University of Buenos Aires — March 2019 – April 2026
Licentiate in **Physics** (B.Sc. + M.Sc. equivalent), GPA 9.3 / 10. **Diploma of Honor**. — *FCEyN — UBA*

National College of Buenos Aires — March 2014 – December 2018
High School diploma. — *CNBA — UBA*

Research Experience

AISAR Fellowship — October 2026 - April 2027
Investigating the universality of learned persona representations and scheming behaviors in language models through model stitching. — *Advisor: Nicolás Martorell*

Iliad Fellowship + Extension — June 2026 - October 2026
Studied why langauge models learn certain behaviors over others when presented with ambiguous information, like in *Emergent Misalignment*. — *Advisor: Stephan Wäldchen*

SPAR Program — February 2026 - May 2026
Investigated a steering-vector based explanation of *subliminal learning* extracted from language model activations as the difference between biased and unbiased activations. This work resulted in a *poster*. — *Advisor: Yuxiao Li*

Dynamical Systems Lab (LSD) — February 2025 – December 2025
Worked on Kolmogorov-Arnold Networks (KANs) for my thesis project to model dynamical systems as a more interpretable alternative to traditional Neural Networks. — *Advisor: Gabriel B. Mindlin*

Plasma Physics Institute (INFIP) — March 2024 – December 2024
Characterized and optimized a plasma-based reactor for water treatment, developing Python-based data analysis tools to extract and analyze current measurements. — *Advisor: Diana Grondona*

Work Experience

Founding Team Member — BAISH Labs — September 2026 - Present
Helped establish the Buenos Aires AI Safety Hub Laboratory.

Performance Analyst — Avature — August 2024 – June 2026
I developed and maintained statistical analysis tools in Python to gain insights from web server response times. — *Semi-Senior*

QA Engineer — Avature — July 2021 – August 2024
I analyzed database inconsistencies with SQL and developed automated tests using Selenium, JavaScript and PHP. — *Semi-Senior*

Teaching Experience

Course Facilitator — BlueDot Impact — November 2026 – Present
Facilitating the Technical AI Safety Project Sprint.

Teaching Assistant — Iliad — August 2026
Assisted a steganography for LLMs lecture.

Courses & Conferences

ILIAD Conference — San Francisco, USA — August 2026

Technical AI Safety Course — BlueDot Impact — January 2026

Deep Learning Spring School — FCEyN — October 2025

Generative Image Models Based on Deep Neural Networks — FCEyN — August 2025

Scientific Symposium on AI and Applications — UdeSA — November 2024 & September 2025

Papers

J. Szereszewski, F. Fainstein, L. E. Fernandez, G. B. Mindlin. (2026) *Inferring hidden forcing in a biological oscillator using Kolmogorov–Arnold networks*. arXiv:2606.08479.

Conference Presentations

J. Szereszewski, N. Waehner, M. Smith. *Sparse Autoencoders for Interpretable Memory Retrieval in LLMs*. Poster presented at the Y-Hat Hackathon, FCEyN (December 2025). Buenos Aires, Argentina.

J. Szereszewski, F. Fainstein, L. E. Fernandez, G. B. Mindlin. *Kolmogorov Arnold Networks for the reconstruction of dynamical systems from data*. Poster presented at the Scientific Artificial Intelligence and Applications Symposium (SCIAA), UdeSA (September 2025); and the Deep Learning Spring School, FCEyN (October 2025). Buenos Aires, Argentina.

J. Szereszewski, F. Otero Zappa, A. Kleiman, M. Zanini, D. Grondona. *Design and Assembly of a Scalable Plasma Reactor for Water Remediation*. Poster presented at the Annual Reunion of Argentinian Physics Asociation (RAFA), UNSL (September 2024). San Luis, Argentina.

Achievements

Presented *False Negatives*, an art project exploring AI-manipulated historical photographs and trust in visual evidence, at EAGxBerlin 2026. *November 2026, Berlin, Germany.*

Hackathon Winner for the poster presented at the NLP track of the Y-Hat Hackathon (FCEyN-UBA). *December 2025, Buenos Aires, Argentina.*

Best Poster Award for the poster presented at the Deep Learning School (FCEyN-UBA). *October 2025, Buenos Aires, Argentina.*

Finalist at the National Stage of the Argentine Mathematical Olympiad (OMA). *November 2018, La Falda, Córdoba, Argentina.*

Nominated for the Metropolitan Argentine Mathematical Olympiad (OMA). *August 2018, Mar del Plata, Buenos Aires, Argentina.*