

Fermín Travi

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👤 FerminT 🇦🇷 Argentinian, Italian

Education

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| April 2022 – Ongoing | PhD student in Computer Science
<i>Title: “Artificial semantic abstractions based on eye movements during online reading experiments”</i>
<i>Universidad de Buenos Aires. Facultad de Ciencias Exactas y Naturales. Departamento de Computación. Laboratorio de Inteligencia Artificial Aplicada (LIAA). Buenos Aires, Argentina.</i> |
| March 2022 | Licenciatura en Ciencias de la Computación (Bachelor’s degree + MSc in Computer Science)
<i>Universidad de Buenos Aires. Facultad de Ciencias Exactas y Naturales. Buenos Aires, Argentina.</i>
<i>8.63 average (historical average to date: 8.19)</i> |

Research Experience

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| Winter 2024 | Research Intern
<i>Project: PIBE: Progression Invariant Brain Embeddings</i>
<i>Computational Psychiatry & Neuroimaging group. IBM Research. New York, USA.</i> |
| Autumn 2022 | Research Intern
<i>Project: Efficient and scalable mobile AR application for tool detection</i>
<i>R&D department. Marposs S.p.A. Bologna, Italia.</i> |
| July 2021 – March 2022 | Research Intern
<i>Project: Human visual search in natural scenes computational models</i>
<i>Universidad de Buenos Aires. Facultad de Ciencias Exactas y Naturales. Departamento de Computación. Laboratorio de Inteligencia Artificial Aplicada (LIAA). Buenos Aires, Argentina.</i> |

Conference and Journal Publications

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| 2024 | 1. Travi, F. et al. <i>Impact of long-COVID on the local and global efficiency of brain networks in Clinical Neuroimaging</i> (2024). In press. |
| 2022 | 2. Travi, F., Ruarte, G., Bujia, G. & Kamienkowski, J. E. <i>ViSioNS: Visual Search in Natural Scenes Benchmark in Thirty-sixth Conference on Neural Information Processing Systems (NeurIPS) (2022).</i> Earlier version at NeurIPS’21 Workshop on Shared Visual Representations in Human and Machine Intelligence. |

Refereed Workshops Contributions

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| 2021 | 3. Travi, F., Ruarte, G., Bujia, G. & Kamienkowski, J. E. <i>Benchmarking human visual search computational models in natural scenes: models comparison and reference datasets in Shared Visual Representations in Human and Machine Intelligence 2021 Workshop at NeurIPS (2021).</i> |
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Talks and Posters

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| 2023 | 4. Travi, F. et al. <i>Neural correlates of cognitive impairment phenotypes following a COVID-19 infection in Annual Congress of the Argentine Society of Neurosciences (2023).</i> |
| 2021 | 5. Travi, F., Ruarte, G., Bujia, G. & Kamienkowski, J. E. <i>Benchmarking human visual search computational models in natural scenes: models comparison and reference datasets in Annual Congress of the Argentine Society of Neurosciences (2021). (Virtual Oral Presentation).</i> |

Teaching Experience

2023-2024	Algorithms and Data Structures II Teaching Assistant <i>Universidad de Buenos Aires. Facultad de Ciencias Exactas y Naturales. Departamento de Computación.</i>
1Q 2022	Algorithms and Data Structures I Teaching Assistant <i>Universidad de Buenos Aires. Facultad de Ciencias Exactas y Naturales. Departamento de Computación.</i>
2Q 2021	Algebra (Workshop in Functional Programming) Teaching Assistant <i>Universidad de Buenos Aires. Facultad de Ciencias Exactas y Naturales. Departamento de Computación.</i>

Reviewer Experience

2022	NeurIPS 2022 Track on Datasets and Benchmarks <i>Two articles on the main topic of autonomous driving and visual reasoning were reviewed.</i>
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Awards

April 2022 – April 2027	PhD scholarship <i>National Council on Scientific and Technical Research (CONICET)</i>
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Courses

- **NMA-NeuroAI 2024.** *Neuromatch Academy. Two-week full-time international online summer school course on NeuroAI.*
- **NMA-Deep Learning 2021.** *Neuromatch Academy. Three-week full-time international online summer school course on Deep Learning.*

Languages

- **International English Language Testing System (IELTS). Score: 8.0.**
- **Certificate of Proficiency in English (CPE). Grade: B.** *ESOL Examinations, University of Cambridge.*