Fermín Travi

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Education

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

Research Experience

Winter 2024	**Research Intern** *Project: PIBE: Progression Invariant Brain Embeddings* *Computational Psychiatry & Neuroimaging group. IBM Research. New York, USA.*
Autumn 2022	**Research Intern** *Project: Efficient and scalable mobile AR application for tool detection* *R&D department. Marposs S.p.A. Bologna, Italia.*

Conference and Journal Publications

2024   1.   **Travi, F.** *et al. Impact of long-COVID on the local and global efficiency of brain networks* in *Clinical Neuroimaging* **1** (2024), e70001.

2022   2.   **Travi, F.**, Ruarte, G., Bujia, G. & Kamienkowski, J. E. *ViSioNS: Visual Search in Natural Scenes Benchmark* in *Thirty-sixth Conference on Neural Information Processing Systems (NeurIPS)* (2022). Earlier version at NeurIPS'21 Workshop on Shared Visual Representations in Human and Machine Intelligence.

Refereed Workshops Contributions

2021   3.   **Travi, F.**, Ruarte, G., Bujia, G. & Kamienkowski, J. E. *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).

Talks and Posters

2023   4.   **Travi, F.** *et al. Neural correlates of cognitive impairment phenotypes following a COVID-19 infection* in *Annual Congress of the Argentine Society of Neurosciences* (2023).

2021   5.   **Travi, F.**, Ruarte, G., Bujia, G. & Kamienkowski, J. E. *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)**.

Teaching Experience

2021-2024	**Algorithms and Data Structures** *Teaching Assistant* *Universidad de Buenos Aires. Facultad de Ciencias Exactas y Naturales. Departamento de Computación.*

Reviewer Experience

2022	**NeurIPS 2022 Track on Datasets and Benchmarks** *Two articles on the main topic of autonomous driving and visual reasoning were reviewed.*

Awards

December 2023	**Travel grant** *Provided to perform an internship at IBM Research. Universidad de Buenos Aires.*
September 2022	**Secondment grant** *Provided for a three-month research secondment at Marposs S.p.A. GHAIA Project, EU Horizon.*
April 2022 – April 2027	**PhD scholarship** *National Council on Scientific and Technical Research (CONICET)*

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*.