Fermín Travi

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FerminT Argentinian, Italian

Research Interests

Themes	Neuroscience-inspired artificial intelligence, language representation, visual behaviour
Methods	Eye-tracking, machine learning, data acquisition and analysis
Applications	Natural language processing, computer vision, human-computer interaction

Education

April 2022 – Ongoing
PhD student
Title: "Artificial semantic abstractions based on eye movements during online reading experiments"
Laboratorio de Inteligencia Artificial Aplicada, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires

March 2022
Licenciatura en Ciencias de la Computación (Bachelor's degree + MSc in Computer Science)
Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires
8.63 average in a scale from 1 to 10, 4 being the passing grade.

Research and Work Experience

Autumn 2022
Research Intern
Project: Efficient and scalable mobile AR application for tool detection
R&D department, Marposs S.p.A., Italy

July 2021 – July 2022
Research Intern
Project: Human visual search in natural scenes computational models
Laboratorio de Inteligencia Artificial Aplicada, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina

2014 - 2015
Software Developer
PSA Peugeot Citröen, Argentina

Conference and Journal Publications

2022
1. **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 Datasets and Benchmarks Track* (2022). Earlier version at NeurIPS'21 Workshop on Shared Visual Representations in Human and Machine Intelligence.

Refereed Workshops Contributions

2021
2. **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

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 *Annual Congress of the Argentine Society of Neurosciences* (2021). **(Virtual Oral Presentation)**.

Teaching Experience

1Q 2022 | **Algorithms and Data Structures I**
Teaching Assistant
Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires

2Q 2021 | **Algebra (Workshop in Functional Programming)**
Teaching Assistant
Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires

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

April 2022 – April 2027 | **PhD scholarship**
Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET)

Courses

- **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*.