

# 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 Citroën, 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

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- 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

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2Q 2021 – 1Q 2022 | **Teaching Assistant**  
*Algorithms and Data Structures I*  
*Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires*

## Reviewer Experience

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

## Awards

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

## Courses

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

## Languages

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