Íris Damião

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EDUCATION

- **Faculdade de Ciências, Universidade de Lisboa** Lisbon, Portugal
  Master and Bachelor Degree in Biomedical Engineering and Biophysics; GPA: 3.71 (17/20) *Sep. 2013 – Jan. 2021*

  Relevant Courses: *Criticality and Complex Systems, Dynamical Systems, Biostatistics, Numerical Methods, Differential and Integral Calculus I, II and III, Linear Algebra, Programming, Control and Architecture of Instrumentation Systems.*

EXPERIENCE

- **Research Assistant** Lisbon, Portugal
  SPAC - Social Physics and Complexity Lab *Sep 2021 - Present*
  - **Tracking - Misinformation Project**: Collaborating on a project that uses bots to study how online tracking biases search engines, particularly in the context of misinformation spread.
    - Use of scraping techniques to crawl different websites recurring of selenium;
    - Application of OpenWPM framework to save tracking information;
    - Assisting in the development of internet bots, using Python.

- **Math Mentor with a Gulbenkian Education Grant** Lisbon, Portugal
  GAP - Gulbenkian Aprendizagem Project from Calouste Gulbenkian Foundation *Nov 2020 - Jul 2021*
  - **Mentor**: Teaching mathematics to children ranging from 11 to 18 years old; helping children developing study strategies and their belief in themselves as in their capacities. GAP consisted on a project launched by Calouste Gulbenkian Foundation in Portugal with the goal of mitigate the effects of Covid-19 in the learning development of children from lower social economic groups.

- **Master's Fellowship Student** Lisbon, Portugal
  Circuit Dynamics and Computation - Renart Lab, Champalimaud Foundation *Sep 2018 - Sep 2020*
  - **Weber's Law Project**: Adaptation of a decision-making experiment performed in rodents to human subjects. Process that envisaged coding of the auditory stimuli, coding of the experimental design and set of events. Collection of the behavioral results of several subjects and preliminary analysis of the same.
  - **Movement - Decision Confidence Correlation Project**: Development of the experimental design, coding of the experiment and auditory stimuli. Collection of human behavioral data and analysis of the same (Statistical Analysis, Correlation analysis, performance of GLMs) using MatLab.

- **Teaching Assistant - Physics for Health Sciences Lab** Lisbon, Portugal
  Faculdade de Ciências, Universidade de Lisboa *Jan 2019 – Jul 2019*
  - Explaining the theory behind different experiments in the field of physics to 1st-year undergraduate students of Health Sciences courses.
  - Guidance of the students in lab practical classes where I was the only professor in the classroom.
  - Responsible for the correction and evaluation of the lab reports.

- **Teaching Assistant - Physics for Biologists** Lisbon, Portugal
  Faculdade de Ciências, Universidade de Lisboa *Jan 2019 – Jul 2019*
  Responsible for teaching two 1st-year Undergraduate practical classes, where were explored basic physical concepts with close application in biology.

- **Research Intern (Full-time)** Maastricht, Netherlands
  Maastricht Brain Imaging Center, Department of Cognitive Neuroscience, Maastricht University *Jul 2016 - Sep 2016*
  - Assisted in the programming of the stimulus presentation and behavioural data processing using Python;
  - Obtained a certification for fMRI safety;
  - Responsible for the preprocessing of the fMRI data and the performance of a preliminary general linear model analysis using the Brain Voyager Software.

PROGRAMMING SKILLS

- **Languages** : Python, Matlab, R, SQL **Tools + Frameworks** : GIT, Docker, Pandas, MySQL

SCIENTIFIC CONTRIBUTIONS

Scientific Papers

Pardo-Vazquez,J.L.,Castiñeiras-de Saa,J. R.,Valente,M., Damião, I.,Costa,T.,Vicente,I. M.,Mendonça,A. G., Zachary F. Mainen Z. F., Renart, A.The mechanistic foundation of Weber's law. Nature Neuroscience, 22, pages1493–1502 (2019).

Honors and Awards

Merit Award of Faculdade de Ciências, Universidade de Lisboa: 2014/2015
Merit Award of Faculdade de Ciências, Universidade de Lisboa: 2013/2014

Social Experiences

- **Main organizer in Pioneiros de Portugal as volunteer** *2015-Now*
  Pioneiros de Portugal is a non-profit organization which organizes free-time activities for children with the goal of bringing awareness of The Convention on the Rights of the Child.

- **Activist in Stop Despejos** *2019 - 2020*
  With the rent prices raising in Lisbon a lot of people started to be evicted from their houses, quite often illegally. Stop Despejos is a non-profit organization helping people defend themselves and giving legal advice to those who cannot afford a lawyer.

- **Volunteer work in a homeless shelter for Lisbon city council.** *2020*
  During the first outbreaks of Covid-19 I contributed regularly for a homeless shelter organized by Lisbon city council.

- **Volunteer work in India** *2017*
  In India I worked in a slum school teaching the basics of English to a big group of children and women.

- **Volunteer work in Serve the City** *2012*
  For a while I helped organizing dinners for homeless people in Lisbon in a public canteen. The idea was to offer a restaurant-like experience for those who cannot afford it.