

TANISHQ CHAKRAVORTY

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PERSONAL PROFILE

I am a linguist and cognitive scientist interested in the evolution of language. My research focuses on investigating the relationship between language and cooperation using game theory. With experience working with humans and non-human animals, I aim to advance our understanding of the origins of the mind and intelligence in a collaborative academic environment.

EDUCATION

PhD in Psychology

University of Neuchâtel | 2028

- Research topic: Role of language in human hyper-cooperation.

MSc in Evolution of Language and Cognition

The University of Edinburgh | 2023 | Merit

- Courses include: Origins and Evolution of Language, Simulating Language, Neuroscience of Language.

BA in Psychology

FLAME University | 2021 | 7.27 CGPA

- Courses include: Cognitive Psychology, Biological Bases of Behavior, Cross-Cultural Psychology.
- Minor: Digital Marketing and Communications.

RESEARCH EXPERIENCE

Doctoral Researcher

*Faculty of Science | University of Neuchâtel & NCCR Evolving Language
October 2024 – Present*

- Designed game theoretical experiments to investigate how language affects the development of cooperative strategies in humans.
- Simulated the cleaner fish ecology in a laboratory setting to compare the differences in cooperative strategies adopted by humans and fish.

Volunteer Researcher

*Centre for Language Evolution | The University of Edinburgh
March 2024 – October 2024*

- Investigated the impact of double-blind review systems on author diversity.
- Analysed data using R and reported findings on social scientific issues in academia.

Research Assistant

Budongo Research Unit | The University of Manchester & The University of St Andrews
October 2023 – December 2023

- Assisted in experiments on chimpanzee cooperation, maintaining scientific equipment, and coding data.
- Adhered to ethical guidelines for experimental research on primates.

Postgraduate Researcher

Centre for Language Evolution | The University of Edinburgh
February 2023 – August 2023

- Studied the contexts of call combinations and pant hoots in captive chimpanzees.
- Conducted data analysis with R and Praat, reported findings in a dissertation.

WORK EXPERIENCE

Scientific Collaborator

University of Neuchâtel | December 2024 - Present

- Teaching assistant to Prof Adrian Bangerter's course on Communication and Coordination.

Market Research Associate

Elastic Tree | August 2021 – July 2022

- Conducted consumer insights through surveys, interviews, and focus groups.
- Performed sentiment analysis using R to develop marketing strategies.
- Developed Implicit Association Tests to study brand perception.

EXTRACURRICULAR EXPERIENCE

Newsletter and Website Editor

FLAME University | August 2019 – May 2021

- Lead a team of students and professors to develop a newsletter and website to showcase university events

SCHOLARSHIPS

- **Doctoral Research Funding**, NCCR Evolving Language & Swiss National Science Foundation
- **Undergraduate Scholar**, FLAME University

LANGUAGES, SKILLS, AND INTERESTS

- **Languages:** English, Hindi, Bengali, Odia
- **Research skills:** Data analytics, linear and logistic regression modelling, acoustic analysis, literature review, academic writing, experiment design, Bayesian statistics
- **Software and tools:** RStudio, Praat, jsPsych, PyCharm, Audacity, Logic Pro, MS Office
- **Programming:** R, Python, C++, JavaScript
- **Co-curricular skills:** Music production, guitar, piano, video editing, web-design
- **Certificates:** The Data Scientist's Toolbox Certificate (John Hopkin's), Google Analytics Advanced, Google Ads Search & Display
- **Additional interests:** Cultural evolution, philosophy