



# Maxime Cauté

## Curriculum Vitae

### Scientific fields of interests

- Cognitive science, esp. phylo- & ontogeny of language ability
- Fundamental computer science and mathematics, logic
- Mathematical & linguistic cognition

### Academics

- 2022–2025 **Ph.D. (Cognitive Science)**, *ED3C, Sorbonne Université*, Paris, France.  
Supervision by S. Dehaene, Laboratoire NeuroSpin, INSERM/CEA, Saclay, France
- 2020–2022 **CogMaster (Cognitive Science, Linguistics Major)**, *Université Paris, Sciences & Lettres/École Normale Supérieure*, Paris, France.
- 2020 **M1 Exchange Student**, *École Polytechnique Fédérale de Lausanne*, Lausanne, Switzerland.
- 2018–2020 **L3/M1 SIF (Computer Science)**, *École Normale Supérieure*, Rennes, France.
- 2015–2018 **Cursus CPGE (MPSI/MP\*)**, *Lycée Saint-Louis*, Paris VI, France.

### Internships & Projects

- 2022 **Compositionality in chimpanzee face-gesture semantics**, *CogMaster, ENS/PSL*, Paris, France.  
Continuation of a course project with Emmanuel Chemla & Philippe Schlenker
- 2021- 2022 **Language of Thought in cross-modal binary sequences**, *NeuroSpin/UNICOG, CEA*, Saclay, France.  
End-of-studies internship with Mathias Sablé-Meyer & Stanislas Dehaene
- 2021 **Comparing biases in humans and networks**, *LINGVAE Team, Institut Jean-Nicod*, Paris, France.  
Mini-Internship (1 day/week) with Emmanuel Chemla
- 2021 **Equitables, a group splitting software**, *CogMaster, ENS/PSL*, Paris, France.  
Course (side-)project with Christophe Pallier
- 2021 **Adaptation of Turkish loanwords**, *CogMaster, ENS/PSL*, Paris, France.  
Phonology course project reviewed by Maria Giavazzi

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- 2020 **Rethinking OR with RL**, *VITA Lab, EPFL*, Lausanne, Switzerland.  
Mini-Internship (1 day/week) with Alexandre Alahi
- 2019 **Optimal transportation for denoising of concurrent fMRI-EEG signals**, *EM-PENN Team, INRIA*, Rennes, France.  
Mini-Internship (1 day/week) with Pierre Maurel, Julie Coloignet, Giulia Lioi
- 2019 **Canary song Analysis**, *MNEMOSYNE Team, INRIA*, Bordeaux, France.  
Summer Internship (2 months) with Xavier Hinaut
- 2018–2019 **Several projects in programmation with project reports**, *École Normale Supérieure*, Rennes, France.

## Programming skills

Java	Strong level	<i>First language learnt, during secondary school years</i>
Python	Strong level	<i>Studied in class, used in projects &amp; internships</i>
LaTeX	Advanced level	<i>Used for scientific reports and presentations</i>
R	Average level	<i>Studied in class, used in projects</i>
CaML/C/C++	Average level	<i>Studied in class</i>

## Studied languages

French	Native	
English	Fluency	
German	Good Level	<i>B2 validation in 2015</i>
Turkish	Good level	
Italian	Average level	
Japanese	Beginner	
Swedish	Basics	

## Other Hobbies

- Programming (developer for Thrive, an open-source and science-based game on evolution and the origins of life)
- History & Reenacting
- Jive Rock danse
- Piano
- Geopolitics (editorial work at the review Le Grand Continent)