

# ANTONIN POCHÉ

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## PhD Student in Interpretability for NLP

### SHORT INTRODUCTION

I am a second-year PhD student in interpretability for language. Core maintainer of the Interpreto open-source library. My goal is to provide easy access to useful explanations.

### FORMATION

#### PhD Student in XAI for NLP

📅 October 2024 - On going  
📍 IRT Saint Exupéry & IRIT - Toulouse



Subject: Paving the way toward conversational explainability.

Direction: Pr. Philippe Muller, Pr. Nicholas Asher, and Dr. Fanny Jourdan.

#### UGA Grenoble INP Ensimag

📅 Sept 2017 - June 2021  
📍 Grenoble



Master: Applied Mathematics and Computer Science

#### Politecnico di Torino

📅 Sept 2019 - June 2021  
📍 Turin



Master: Data Science and Computer Engineering

### WORK EXPERIENCE

#### Research Engineer in Explainability

📅 June 2021 - October 2024  
📍 IRT Saint-Exupéry - Toulouse



Applied research in XAI (eXplainable Artificial Intelligence) on two projects for trustworthy AI: DEEL.ai and Confiance.ai.

#### Research Intern in XAI for RL

📅 Nov 2020 - May 2021  
📍 Bordeaux



Applied research internship on explainable deep reinforcement learning.

#### Bio-informatics Research Intern

📅 June 2019 - Aug 2019  
📍 Laboratoire Jean Kuntzmann - Grenoble



Research internship in bio-informatics on deep learning for genomic data.

### HOBBIES

🏊 Sports

🌲 Nature

♟ Games



### TEACHING

#### Mastere AIBT

📅 October 2021 - On going  
📍 ISAE Supaero



AIBT: Artificial Intelligence and Business Transfer. Practical sessions on AI and lessons on explainability.

#### Mastere ValDom

📅 April 2021 - On going  
📍 Enseeiht



[0.5cm] ValDom: "Valorisation des Données massive". Lessons on explainability.

### SCIENTIFIC CONTRIBUTIONS

#### ConSim: Measuring Concept-Based Explanations' Effectiveness with Automated Simulatability

📅 July 2025    📍 ACL 2025

#### Interpreto: Interpretability Toolbox for LLMs

📅 June 2025  
📍 GitHub



#### Natural Example-based Explainability: A Survey

📅 June 2023    📍 World Conference on xAI

#### Xplique: A Deep Learning Explainability Toolbox

📅 June 2022  
📍 CVPR - XAI4CV Workshop



Open Source XAI library with over 650 GitHub stars.

#### Guidelines to Explain ML Algorithms

📅 September 2023    📍 DEEL

### LANGUAGES

French

Native

English

Advanced

Italian

Intermediate