

Artur B. Carneiro

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EDUCATION

Stanford University

Expected Jun. 2026

M.S. Computer Science, Artificial Intelligence

Stanford, CA

Select coursework: Natural Language Processing (CS 224N), Computer Vision (CS 231N), Decision Making Under Uncertainty (CS 238), Deep Reinforcement Learning (CS 224R), Language Modeling from Scratch (CS 336), Ethics of AI (CS 281), Mining Massive Datasets (CS 246), Infrastructure at Scale (CS 153).

Stanford University

Jun. 2025

B.S. Symbolic Systems, Artificial Intelligence

Stanford, CA

Select coursework: Neural Network Models of Cognition (PSYCH 209), Science and Philosophy of Perception (SYMSYS 205), Learning and Memory (PSYCH 45), Semantics and Pragmatics (LINGUIST 130A), Philosophy of Mind (PHIL 80), Philosophy of Action (PHIL 287).

RESEARCH

Stanford Intelligent Systems Laboratory (SISL/SAIL)

Nov. 2024 – Present

Research Assistant — Advisor: Prof. Mykel Kochenderfer

- Co-authored paper on predictive uncertainty for vision-based aircraft landing using calibrated neural architectures with spatial softmax and adapted RAIM. **Published at DASC 2025. Best of Session Award.**

Independent Research

Jan. 2026 – Present

Advisor: Prof. Jay McClelland

- Investigating knowledge neglect in LLMs — whether models exhibit source confusion analogous to human reality monitoring failures. Found Gemma 3 accuracy dropped from 96.6% to 18.9% after exposure to misleading context, mirroring human cognitive biases.

BeConfident Labs

Jul. – Sep. 2025

AI Research Collaborator

- Co-designed the cluster-based rubric system and open-sourced RFTKit for Confiante G1, a foundation model generating English lessons via reinforcement fine-tuning, serving 1.8M learners across Latin America.

INDUSTRY EXPERIENCE

Instagram, Meta — Machine Learning

Jun. – Sep. 2025

Software Engineering Intern

- Improved the offline simulation pipeline for ML algorithms powering Instagram Feed and Reels recommender systems, working on model evaluation at production scale.
- Created APIs for researchers to improve model reliability by enabling deterministic testing.

Meta — Design Systems

Jun. – Sep. 2024

Software Engineering Intern

- Built and shipped components for the Facebook Design System, impacting over 100M Marketplace app users.
- Conducted A/B experiments with 40M+ users, demonstrating significant improvements in user engagement.
- Developed a novel approach to the accessibility behavior for a design system component, establishing a standard across the Meta.

Pulsar AI

Jun. – Aug. 2023

Applied AI Engineering Intern

- Built a natural language interface for querying SQL databases and technical documentation across 2K industrial machines using RAG and LLMs. Designed and implemented the retrieval pipeline, prompt engineering, and API orchestration.

Education Journey

Mar. 2021 – Sep. 2022

Co-founder & CTO

- Co-founded B2B edtech startup for workforce reskilling. Designed and built the product architecture and infrastructure serving a web application, browser extension, and APIs to large enterprise clients.
- Recruited and led the founding engineering team. Company raised two funding rounds, with second round valued at \$12M.

TEACHING

Stanford CS Department

Jan. 2023 – Present

Course Assistant & Section Leader

- CS 238 CA** (Autumn 2025, 600 students): top Ed contributor, hosted office hours, managed accommodations, and created staff wiki.
- CS 106A/B/AX** Senior Section Leader (2023–2025); CS 198 Section Leader since sophomore year.

SKILLS & LANGUAGES

Technical

Python, C/C++, PyTorch, NumPy, wandb, LangChain, TypeScript, React, Node.js, AWS, GCP, SQL, Github Actions, Docker

Languages

Portuguese (native), English (proficient), French (intermediate), Spanish (intermediate)