

**Adam Labiosa**  
**Curriculum Vitae**

Madison, WI — labiosa@wisc.edu — adamlabiosa.github.io — linkedin.com/in/adam-labiosa

**EDUCATION**

---

- Ph.D. Computer Science** 09/22 – 05/28  
University of Wisconsin-Madison  
Department of Computer Science
- Advisor: Josiah Hanna
  - Research focus: Reinforcement learning, robotics
- B.S. Electrical Engineering and Computer Science** 09/19 – 05/22  
University of Wisconsin-Madison  
College of Engineering
- Overall GPA: 3.94
  - Graduated with Distinction

**EXPERIENCE**

---

- Graduate Research Assistant** 05/22 - 05/28  
University of Wisconsin-Madison  
Madison, WI  
Advisor: Josiah Hanna  
Current Research:
- Meta-reasoning with reinforcement learning for agents and LLMs
  - Multi-agent reinforcement learning for humanoid robot soccer
  - Reinforcement learning for science (chemistry)
- Applied Science Intern** 09/25 – 12/25  
Amazon  
New York City, NY
- Transformer-based offline RL for recommender systems
- Undergraduate Research Assistant** 11/20 – 05/22  
University of Wisconsin-Madison  
Madison, WI  
Advisor: Karu Sankaralingam  
Research:
- Custom hardware accelerators for machine learning
- Software Developer Intern** 05/22 – 09/22  
Blue Cross Blue Shield  
Eagan, MN
- Software Developer Intern** 05/21 – 09/21  
Blue Cross Blue Shield  
Eagan, MN

**PUBLICATIONS**

---

- Labiosa, A.\*** & Hanna, J. (In preparation. Expected submission: March 2026). *When to Plan: A Survey in Adaptive Computation for Artificial and Natural Intelligence*
- Labiosa, A.\*** & Hanna, J. (Submitted to RLC 2026). *When to Plan: Learning to Allocate Computation Between Reactive Control and Planning*
- Labiosa, A.\*** & Hanna, J. (ICRA 2025). *Multi-Robot Collaboration through Reinforcement Learning and Abstract Simulation*
- Labiosa, A.\***, Wang, Z\*., Agarwal, S., Cong, W., Hemkumar, G., Harish, A. N., Hong, B., Kelle, J., Li, C., Li, Y., Shao, Z., Stone, P.<sup>†</sup>, & Hanna, J.<sup>†</sup>. (ICRA 2025). *Reinforcement Learning Within the Classical Robotics*

*Stack: A Case Study in Robot Soccer*

Corrado, N.<sup>\*</sup>, Qu, Y., Balis, J. U., **Labiosa, A.**, & Hanna, J. (RLC 2024). *Guided Data Augmentation for Offline Reinforcement Learning and Imitation Learning*

## WORKSHOPS AND POSTERS

---

**Labiosa, A.**<sup>\*</sup>, Wang, Z.<sup>\*</sup>, Agarwal, S., Cong, W., Hemkumar, G., Harish, A. N., Hong, B., Kelle, J., Li, C., Li, Y., Shao, Z., Stone, P.<sup>†</sup>, & Hanna, J.<sup>†</sup>. (ICRA 2025 Workshop on Athletic Robots and Dynamic Motor Skills). *Reinforcement Learning Within the Classical Robotics Stack: A Case Study in Robot Soccer*

- Award: Best RoboCup Themed Paper

**Labiosa, A.**<sup>\*</sup> & Hanna, J. (MMLS 2024) *Robotic Cooperation With Reinforcement Learning and Low-Fidelity Simulation*

## AWARDS AND HONORS

---

<b>NSF INTEGRATE Fellowship</b>	2025
• Provides two years of funding for research.	
<b>3rd Place RoboCup Standard Platform League Champions Cup</b>	2025
<b>1st Place RoboCup Standard Platform League Challenge Shield</b>	2024
<b>University of Wisconsin-Madison Computer Science Research Scholarship</b>	2023
<b>3rd Place RoboCup Standard Platform League Challenge Shield</b>	2023
<b>Claude and Dora Richardson Engineering Scholarship</b>	2022
<b>Koch Family Foundation Scholarship</b>	2019

## TEACHING EXPERIENCE

---

**Advanced Machine Learning - Teaching Assistant** University of Wisconsin-Madison

- Lectured on reinforcement learning and AI ethics

**Introduction to Artificial Intelligence - Teaching Assistant (x3)** University of Wisconsin-Madison

**Introduction to Computer Architecture - Teaching Assistant** University of Wisconsin-Madison

**Introduction to Computer Engineering - Teaching Assistant** University of Wisconsin-Madison

## SERVICE

---

**RoboCup Soccer League 2026** - Organizing Committee

**NeurIPS 2025, 2024** - Reviewer

**ICLR 2026, 2025** - Notable Reviewer

**RLC 2026, 2025** - Reviewer

**ICRA 2025, 2024** - Reviewer

**AISTATS 2026, 2025** - Reviewer

**CogMI 2025** - Reviewer

**NLDL 2026** - Reviewer

**Robocup Symposium 2025, 2024** - Reviewer

## REFERENCES

---

**Josiah Hanna**

Professor

University of Wisconsin-Madison

jphanna@cs.wisc.edu

**Karu Sankaralingam**

Professor

University of Wisconsin-Madison

karu@cs.wisc.edu