

Andrew Forney

Associate Professor of Computer Science at Loyola Marymount University

Los Angeles, CA, US

Seaver College of Science and Engineering

Biography

Contact Phone: 310.338.3077 Email: andrew.forney@lmu.edu Office: Doolan 201A Professor Andrew Forney is a third-generation Lion who completed his B.S. in Computer Science and Psychology at Loyola Marymount University and his M.S. and Ph.D. in Computer Science at UCLA. His research bridges the disciplines of cognitive psychology, artificial intelligence (AI), and experimental design, with an emphasis in causal inference. He is interested in the mechanics of counterfactual reasoning and its applications to human and machine learning, reinforcement, and decision-making for crafting increasingly dynamic and metacognitive agents. His work has been published and presented in the flagship AI conferences (NeurIPS, ICML, AAAI) and Journal of Causal Inference. Professor Forney's other interests include pedagogical methods for inclusive and engaging undergraduate STEM experiences, and the entanglement of increasingly advanced AI in society. He leads the Applied Cognitive Technologies (ACT) Laboratory at LMU, which provides undergraduates with research and industry experience using state-of-the-art techniques in AI applied to real world problems.

Industry Expertise

Research, Education/Learning, Computer Software

Areas of Expertise

Causal Inference, Decision Theory, Reinforcement Learning, Artificial Intelligence, Experimental Design

Education

University of California, Los Angeles

Ph.D. Computer Science

University of California, Los Angeles

M.S. Computer Science

Loyola Marymount University

B.S. Computer Science

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