

DUN-MING (BRANDON) HUANG

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EDUCATION

University of Toronto

Ph.D., Computer Science

Sept. 2025 - May, 2030

GPA: 4.000/4.000

University of California, Berkeley

B.A. Computer Science, B.A. Cognitive Science (Simultaneous Degree)

Aug., 2021 - May, 2025

GPA: 3.982/4.000

RESEARCH EXPERIENCE

PhD Student, Robot Vision & Learning Lab

Sep. 2025 -

My research looks at a union of two directions: (1) How to make high-DoF robots learn efficiently, and (2) How to smooth their integration into human society as they have learned to do multiple tasks efficiently. My ongoing project explores the use of data attribution in offline reinforcement learning scenarios for large robotic datasets to reduce computational expense and accelerate learning algorithms.

Supervisor: Prof. Florian Shkurti

Undergraduate Researcher, Berkeley Robot Learning Lab

Aug. 2023 - May 2025

My research focuses on deep reinforcement learning algorithms that empower high-dimensional and mechanically complex agents (e.g., humanoid robots, fingered hands) to learn more efficiently. Prior works involved (a) developing benchmarks for humanoids, (b) designing transformer architectures that utilize morphological information, and (c) unsupervised action representation learning for accelerating online reinforcement learning algorithms.

Supervisor: Prof. Carmelo Sferrazza, Prof. Pieter Abbeel

Guest Affiliation, Max Planck Institute for Empirical Aesthetics

Jun. 2023 - Dec. 2024

My research in computational psychology spans over: (a) unsupervised representational alignment of perceptual states from different cultures, (b) iterated learning paradigms for extracting and evaluating the compatibility of high-dimensional representations of concepts from humans, and (c) human-in-the-loop random walk algorithms.

Supervisor: Prof. Nori Jacoby

TEACHING EXPERIENCE

Teaching Assistant, University of Toronto, St. George Campus

Sep. 2025 - May. 2026

Hired as a Teaching Assistant for CSC311 (Introduction to Machine Learning), CSC413 (Deep Learning) under a 60-hour appointment.

Teaching Assistant, U.C. Berkeley

Aug. 2023 - May 2025

Hired as a Teaching Assistant for [DATA C100](#), an introductory course for Data Science with 1,000+ students per semester.

Department Lead, Coordinator, Computer Science Mentors

Aug. 2023 - May 2024

PUBLICATION

1. **Dun-Ming Huang**, Pol Van Rijn, Ilia Sucholutsky, Raja Marjeh, Nori Jacoby. (2024). Characterizing Similarities and Divergences in Conversational Tones in Humans and LLMs by Sampling with People. *ACL 2024 Main*. [Link to paper](#).

