

ANAND SITHTHARANJAN

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EDUCATION

University of California, Berkeley

Doctor of Philosophy, Electrical Engineering & Computer Science

GPA: 3.883

Awards & Honors: Berkeley AI Research Ignition Award

August 2021 - May 2026 (expected)

University of California, Berkeley

Bachelor of Arts in Computer Science

Graduated with Highest Distinction (*summa cum laude*)

GPA: 3.967

Awards & Honors: Arthur M. Hopkin Award for Electrical Engineering, URAP Summer Research Fellow, Edward Frank Kraft Award, Dean's Honor List

August 2017 - May 2021

PUBLICATIONS

On the Computational Consequences of Cost Function Design in Nonlinear Optimal Control

Tyler Westenbroek, Anand Siththaranjan, Mohsin Sarwari, Claire J. Tomlin, Shankar Sastry. Accepted to CDC 2022.

Analysing Human Models that Adapt Online

Andrea Bajcsy, Anand Siththaranjan, Claire J. Tomlin, Anca D. Dragan. *Accepted to ICRA 2021.*

WORKING PAPERS

When Can Communication Be Informative? (with Yuichiro Kamada)

On Social Planning in Population Games

Understanding Hidden Context in Preference Learning (with Cassidy Laidlaw, Dylan Hadfield-Menell)

TEACHING

Algorithmic Economics

Econ 147/CS 177

Teaching Assistant for Algorithmic Economics under Professor Federico Echenique.

January 2024 - May 2024

UC Berkeley

EMPLOYMENT

Research Assistant

School of Law, UC Berkeley

Working under Professor Manisha Padi on an empirical study analyzing the interactions between mortgage servicers and borrowers in distress.

February 2023 -

Research Intern

Vector Institute for Artificial Intelligence

Working under Professor Gillian Hadfield on the theory of normative infrastructure and game-theoretic models of legal orders.

May 2023 - August 2023

PIBSS Fellow

Principles of Intelligent Behavior in Biological and Social Systems

Was accepted as a research fellow at the PIBSS program, where I collaborated with Professor Dylan Hadfield-Menell in analyzing limitations of reward learning from human feedback.

May 2022 - August 2022

Reader

August 2020 - December 2020

EE 227B

Worked as a member of course staff for EE 227B, a class on convex, non-convex and robust optimization theory that normally caters to first and second year PhD students studying Electrical Engineering and Computer Science or Mechanical Engineering.

Research Assistant

May 2020 - August 2020

Hybrid Systems Lab

Worked as a research assistant within Professor Tomlin's Hybrid Systems Lab for the summer of 2020. Conducted research on synthesizing a contingency planner for safe human-robot interaction by developing a discrete-time Hamilton-Jacobi implementation for analysis of human motion predictors.

Reader

August 2019 - December 2019

EECS 127

Worked as a member of course staff for EECS 127, a class on optimization models in engineering for undergraduates and PhD students, where tasks included grading assignments for 300+ students.