

Jared Mejia

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EDUCATION

Carnegie Mellon University

M.S. in Machine Learning

GPA: 4.00 / 4.00

August 2022 - present

Pomona College

B.A. in Computer Science and Mathematics

GPA: 4.00 / 4.00, *Graduated with Highest Honors*

August 2018 - May 2022

EXPERIENCE

Research Assistant, CMU Robotics Institute

September 2022 - present

- Advised by Abhinav Gupta
- Research focus: pre-training for robots, multisensory learning, robotic manipulation

Software Engineering Intern, Checkr, Inc

May 2022 - August 2022

- Worked on reconfiguring and enhancing the core NLP/ML pipeline of the company's product, leading to greater accuracy and efficiency in production.

NSF SUPERB Program Participant, UC Berkeley EECS

May - August 2021

- Conducted research in applications of statistical learning theory to data-driven methods in control theory
- Developed a library for data-driven reachability analysis of nonlinear systems.

Research Assistant, Pomona College

August 2020 - May 2022

- Advised by Anthony Clark
- Conducted research on domain transfer from simulation to real-world tasks with a focus on navigation.

Product Engineering Intern, Cadence Design Systems

May - August 2020

- Worked on automating the management of clusters for a cloud-based AI platform.

PUBLICATIONS, PREPRINTS, AND PROJECTS

Hearing Touch: Audio-Visual Pretraining for Contact-Rich Manipulation

Jared Mejia, Victoria Dean, Tess Hellebrekers, Abhinav Gupta

In Submission 2023

World Model for Multi-Task Robotic Pre-Training

Jard Mejia, Mohan Kumar

CMU 10707 Advanced Deep Learning Project 2023

Investigating Neural Network Architectures, Techniques, and Datasets for Autonomous Navigation in Simulation

Oliver Chang, Christese Marchese, **Jared Mejia**, Anthony Clark

IEEE Symposium Series on Computational Intelligence (SSCI) 2021

DaDRA: A Python Library for Data-Driven Reachability Analysis
Jared Mejia, Alex Devenport, Murat Arcak
arXiv preprint arxiv:2111.01312 2021

TEACHING

Teaching Assistant , Pomona College	
CSCI158 Machine Learning	Spring 2022
CSCI101 Introduction to Languages and Theory of Computation	Spring 2021
CSCI062 Data Structures and Advanced Programming	Fall 2020
ECON052 Principles of Microeconomics	Fall 2020
CSCI051 Introduction to Computer Science	Spring 2019

EXTRACURRICULARS

Computer Science Department Student Liaison , Pomona College	2020 -2021
Organized department events and worked closely with faculty on department issues, with a particular focus on better supporting historically underrepresented students in CS	
Pomona AI Club , Pomona College	2021
Worked on the <i>Tasked Agent in Simulated Environment</i> team, developing neural network-based computer vision systems with PyTorch to help a drone navigate in simulation	
Hack for Black Lives , Harvey Mudd College	2021
Worked on a team to design a platform for Black organizations to connect with individuals for volunteer-registration, petition- signing, content-sharing, and fundraising	
Pomona-Pitzer Men's Varsity Soccer Team , Pomona-Pitzer Athletics	2018-2022
Played varsity soccer for all four years and served as captain senior year	

SKILLS

Programming Languages and Frameworks
PyTorch, SQL, R, Java, C, Haskell, OCaml, Git, Vim

Languages
Spanish (intermediate)

AWARDS AND SCHOLARSHIPS

Rena Gurley Archibald High Scholarship Prize , Pomona College	2022
Awarded to the member of the graduating class who ranks highest in scholarship	
Summa Cum Laude , Pomona College	2022
Highest Latin honor of graduating class (\approx 2-5% of graduating class)	
Phi Beta Kappa National Honor Society , Pomona College	2021
Inducted as a Junior (\approx 2% of graduating class)	
Pomona College Scholar , Pomona College	2018-2022
Academic Honors	
All-Academic Team , SCIAC	2018-2022
Academic honors for student-athletes in the Southern California Intercollegiate Athletic Conference	
First Team All-SCIAC , SCIAC	2021
Awarded to top Men's Varsity Soccer players in SCIAC	