

Education

Stanford University	<i>September 2021 - Present</i>
PhD in Computer Science, AI	GPA: 4.3/4.0
<ul style="list-style-type: none"> <i>Funding Awards:</i> I am graciously supported by a DoD NDSEG Fellowship, roughly 5% selection rate. <i>Research Interest:</i> My research focuses on learning for intelligent decision-making systems. 	
University of California, Berkeley	<i>August 2017 – May 2021</i>
B.S. Electrical Engineering and Computer Science	GPA: 4.0/4.0
<ul style="list-style-type: none"> <i>Academic Awards:</i> Highest Honors, top 3% of graduates; Regents and Chancellors Scholar, top <2% incoming <i>Research Awards:</i> 2021 CRA Undergrad Research Award Honorable mention 	

Publications

Show, Don't Tell: Aligning Language Models with Demonstrated Feedback	<i>ArXiv Preprint</i>
O Shaikh*, M Lam*, <u>Joey Hejna*</u> , S Yao, M Bernstein, D Yang https://arxiv.org/abs/2406.00888	
Scaling Laws for Reward Model Overoptimization in Direct Alignment Algorithms	<i>ArXiv Preprint</i>
R Rafailov*, Y Chittepudi*, R Park*, H Sikchi*, <u>J Hejna</u> , WB Knox, C Finn, S Niekum https://arxiv.org/abs/2406.02900	
From r to Q*: Your Language Model is Secretly a Q-Function	<i>ArXiv Preprint</i>
Rafael Rafailov*, <u>Joey Hejna*</u> , Ryan Park, Chelsea Finn	
DROID: A Large Scale In-the-Wild Robot Manipulation Dataset	<i>Published at RSS 2024</i>
Aleksander Khazatsky, Karl Pertsch, ... <u>Joey Hejna</u> , et al. https://droid-dataset.github.io/	
Octo: An Open Source Generalist Robot Policy	<i>Published at RSS 2024</i>
Octo team, ... <u>Joey Hejna</u> , et al. https://octo-models.github.io/	
Contrastive Preference Learning: Learning from Human Feedback without RL	<i>ArXiv Preprint</i>
<u>Joey Hejna</u> , R Rafailov, H Sikchi, C Finn, S Niekum, WB Knox, D Sadigh https://arxiv.org/abs/2310.13639	
Inverse Preference Learning: Preference-based RL Without a Reward Function	<i>Published at NeurIPS 2023</i>
<u>Joey Hejna</u> , Dorsa Sadigh. https://arxiv.org/abs/2305.15363	
Distance Weighted Supervised Learning	<i>Published at ICML 2023</i>
<u>Joey Hejna</u> , Jensen Gao, Dorsa Sadigh. https://arxiv.org/abs/2304.13774	
Extreme Q-Learning: MaxEnt RL without Entropy	<i>Published at ICLR 2023 (Oral)</i>
Div Garg*, <u>Joey Hejna*</u> , Mattheu Gesit, Stefano Ermon. https://openreview.net/pdf?id=SJ0Lde3tRL	
Few-Shot Preference Learning for Human-in-the-Loop RL	<i>Published at CoRL 2022</i>
<u>Joey Hejna</u> , Dorsa Sadigh. https://openreview.net/pdf?id=IKC5TfXLUW0	
Improving Long-Horizon Imitation Through Instruction Prediction	<i>Published at AAAI 2023</i>
<u>Joey Hejna</u> , Pieter Abbeel, Lerrel Pinto. https://openreview.net/pdf?id=1Z3h4rCLvo-	
Task-Agnostic Morphology Evolution	<i>Published at ICLR 2021</i>
Donald Joseph Hejna III, Pieter Abbeel, Lerrel Pinto. https://openreview.net/pdf?id=CGQ6ENUMX6	
Hierarchically Decoupled Imitation for Morphological Transfer	<i>Published at ICML 2020</i>
Donald Joseph Hejna III, Pieter Abbeel, Lerrel Pinto. https://arxiv.org/abs/2003.01709	

Professional Experience

Google DeepMind, Student Researcher	<i>June 2024 – Sept 2024</i>
<ul style="list-style-type: none"> Student researcher on the deepmind robotics team. 	
Teaching Assistant	<i>August 2019 – December 2023</i>
<ul style="list-style-type: none"> CS 221: Intro to AI (Fa23, Head TA). CS 189: Machine Learning (Sp20, Sp21). EECS 127: Optimization 	
Citadel Global Quantitative Strategies, Intern	<i>June 2019 – August 2019</i>
<ul style="list-style-type: none"> C++ development for job monitoring and testing, explored reduction in RAM usage for distributed tree training. 	
Intel AI Products Group, Intern	<i>May 2018 – August 2018</i>
<ul style="list-style-type: none"> Produced demo-products for Intel OpenVino Model Optimizer. Computer vision project featured on intel's blog. 	