

Harry Bendekgey

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Education	University of California, Irvine Pursuing a Ph.D. in Computer Science	Fall 2019-present GPA: 4.0
	Pomona College Bachelor of Arts in Computer Science and Mathematics (Double Major)	Spring 2019 GPA: 3.97
Experience	Intern Chan Zuckerberg Biohub	Summer 2019-present San Francisco
	Work with the theory group on two projects touching biology, physics, and statistics: <ul style="list-style-type: none">◦ Investigating the ability of (MC)³ to explore the space of phylogenetic trees, and◦ Discovering a new power law for modeling diffusion in crowded dynamic spaces	
	Research Fellow Computer Science Department	Fall 2018 Pomona College
	Designed a novel approach for understanding the landscape of personas across games; Scraped and cleaned data from online <i>Dominion</i> logs to visualize player strategies.	
	Research Fellow Kenneth Cooke Research Fellowship	Summer 2018 Pomona College
Languages	Researched the mathematical models underlying state-of-the-art election forecasting; Implemented adjustable forecasts for the 2018 midterm election based on these models.	
	Teaching Assistant and Grader Math and Computer Science Departments	Pomona College
	◦ Functional Programming and Discrete Math, Combinatorics	Spring 2019
	◦ Statistical Theory, Linear Algebra, Computer Systems	Fall 2018
	◦ Fundamentals of Computer Science, Combinatorics	Spring 2017-Spring 2018
Publications	◦ Introduction to Computer Science	Spring 2016-Fall 2016
	Proficient with R, C, Python, Java, L ^A T _E X; Familiar with SQL, C++, Scala, JavaScript.	
	Clustering Player Strategies from Variable-Length Game Logs in <i>Dominion</i> . H Bendekgey , AAI Workshop on Knowledge Extraction from Games (KEG), 2019.	
	<i>In review</i> : Scalable Bounds for Flexible Classifiers with Group Fairness. H Bendekgey , E Sudderth.	
	<i>In preparation</i> : Diffusion in Dynamic Crowded Spaces. H Bendekgey , G Huber, D Yllanes, L Yan.	
Awards	Enhanced CS Department Excellence Fellowship , UC Irvine, 2019 Allows first-year Ph.D students to engage sooner and more deeply with research by dispensing with teaching assistant requirement.	
	Paul B. Yale Computer Science Prize , Pomona College, 2019 Awarded annually to an outstanding senior majoring in Computer Science.	
	The Phi Beta Kappa Award , Pomona College, 2019 Awarded to a senior for high quality of scholarship and promise of future distinction.	
	Phi Beta Kappa Member , Elected Junior year, Pomona College, 2018 The oldest honor society in the country; at eligible schools, 2% of Juniors are elected.	
	Kenneth Cooke Summer Research Fellowship , Pomona College, 2018 Grant for summer research in an area of applied mathematics or statistics.	