

## Harry Bendekgey

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<b>Education</b>	<b>Ph.D. Candidate, University of California, Irvine</b> Fall 2019-present Advised by Erik Sudderth. Advanced to Candidacy Spring 2022.
	<b>B.A., Pomona College</b> Graduated Spring 2019 Computer Science and Mathematics (Double Major) GPA: 3.97
<b>Experience</b>	<b>Intern</b> Summer 2019 Chan Zuckerberg Biohub San Francisco Work with the theory group on two projects touching biology, physics, and statistics: <ul style="list-style-type: none"><li>◦ Investigating the ability of (MC)<sup>3</sup> to explore the space of phylogenetic trees, and</li><li>◦ Discovering a new power law for modeling diffusion in crowded dynamic spaces</li></ul>
	<b>Research Fellow</b> Fall 2018 Computer Science Department 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.
	<b>Research Fellow</b> Summer 2018 Kenneth Cooke Research Fellowship Pomona College Researched the mathematical models underlying state-of-the-art election forecasting; Implemented adjustable forecasts for the 2018 midterm election based on these models.
	<b>Teaching Assistant and Grader</b> Math and Computer Science Departments Pomona College <ul style="list-style-type: none"><li>◦ Functional Programming and Discrete Math, Combinatorics Spring 2019</li><li>◦ Statistical Theory, Linear Algebra, Computer Systems Fall 2018</li><li>◦ Fundamentals of Computer Science, Combinatorics Spring 2017-Spring 2018</li><li>◦ Introduction to Computer Science Spring 2016-Fall 2016</li></ul>
	<b>Languages</b> Proficient with R, C, Python, Java, L <sup>A</sup> T <sub>E</sub> X; Familiar with SQL, C++, JavaScript.
<b>Publications</b>	Scalable & Stable Surrogates for Flexible Classifiers with Fairness Constraints. <b>H Bendekgey</b> , E Sudderth.
	Scaling Study of Diffusion in Dynamic Crowded Spaces. <b>H Bendekgey</b> , G Huber, D Yllanes, L Yan.
	Clustering Player Strategies from Variable-Length Game Logs in <i>Dominion</i> . <b>H Bendekgey</b> , AAI Workshop on Knowledge Extraction from Games (KEG), 2019.
<b>Awards and Fellowships</b>	<b>Hasso Plattner Institute Fellowship</b> , UC Irvine, 2021 3 years of full Ph.D funding for work on adaptive, safe and human-centered AI. <b>Enhanced CS Department Excellence Fellowship</b> , UC Irvine, 2019 Provides first-year Ph.D students with research funding and no teaching requirements. <b>Paul B. Yale Computer Science Prize</b> , Pomona College, 2019 Awarded annually to an outstanding senior majoring in Computer Science. <b>The Phi Beta Kappa Award</b> , Pomona College, 2019 Awarded to a senior for high quality of scholarship and promise of future distinction. <b>Kenneth Cooke Summer Research Fellowship</b> , Pomona College, 2018 Grant for summer research in an area of applied mathematics or statistics.