

Harry Bendekgey

Laguna Beach, CA
650.393.3229
harry.bendekgey@gmail.com

www.hbendekgey.me
github.com/hbendekgey
linkedin.com/in/hbendekgey

- Education**
- University of California, Irvine** Fall 2019-present
Pursuing a Ph.D. in Computer Science advised by Erik Sudderth. GPA: 4.0
- Pomona College** Spring 2019
Bachelor of Arts in Computer Science and Mathematics (Double Major) GPA: 3.97
- Experience**
- Intern** Summer 2019-present
Chan Zuckerberg Biohub San Francisco
Work with the theory group on two projects touching biology, physics, and statistics:
◦ 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** 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 *Dominion* logs to visualize player strategies.
- Research Fellow** 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.
- 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
- Introduction to Computer Science Spring 2016-Fall 2016
- Languages** Proficient with R, C, Python, Java, \LaTeX ; Familiar with SQL, C++, JavaScript.
- Publications**
- Clustering Player Strategies from Variable-Length Game Logs in *Dominion*.
H Bendekgey, AAI Workshop on Knowledge Extraction from Games (KEG), 2019.
- In review*: Scaling Study of Diffusion in Dynamic Crowded Spaces.
H Bendekgey, G Huber, D Yllanes, L Yan.
- In review*: Scalable & Stable Surrogates for Flexible Classifiers with Fairness Constraints. **H Bendekgey**, E Sudderth.
- Awards and Fellowships**
- Hasso Plattner Institute Fellowship**, UC Irvine, 2021
3 years of full Ph.D funding for work on adaptive, safe and human-centered AI.
- Enhanced CS Department Excellence Fellowship**, UC Irvine, 2019
Provides first-year Ph.D students with research funding and no teaching requirements.
- 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.
- Kenneth Cooke Summer Research Fellowship**, Pomona College, 2018
Grant for summer research in an area of applied mathematics or statistics.