

# Ben Aoki-Sherwood

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## EDUCATION

**University of Colorado Boulder** **2024-Present**  
Ph.D., Computer Science  
Advisor: Daniel B. Larremore

**Carleton College** **2023**  
B.A., Computer Science, *magna cum laude*

## RESEARCH EXPERIENCE

**Department of Computer Science, University of Colorado Boulder**  
*Doctoral Research Assistant* **2024-Present**

- Conduct research at the intersection of computation, mathematics, and social science in the “science of science”

**Carleton College**  
*Computer Science Research Assistant* **2022-2024**

- Formulate a set of theories for learning approximate bounds on consideration probabilities in choice models with consideration
- Advisor: David Liben-Nowell

*Physics Research Assistant* **2021-2023**

- Assessed two distinct gravitational wave data veto algorithms used by the LIGO Collaboration to filter interferometer data
- Advisor: Jay Tasson

## TEACHING EXPERIENCE

**Carleton College**  
*Computer Science Teaching Assistant* **2021-2023**

- Led bi-weekly review sessions of 10+ students and tutored students individually in and out of classroom
- Classes: Programming Languages, Data Structures, Intro CS

*Summer Computer Science Teaching Assistant* **2021**

- Taught game theory and computational simulation skills to high school students

## PUBLICATIONS AND PROCEEDINGS

\* **equal contribution**

† **alphabetical author order**

1. B. Aoki-Sherwood<sup>†</sup>, C. Bregou<sup>†</sup>, D. Liben-Nowell<sup>†</sup>, K. Tomlinson<sup>†</sup>, T. Zeng<sup>†</sup>, “Bounding Consideration Probabilities in Consider-Then-Choose Ranking Models,” in *2024 AAMAS, 2018, pp. 2129-2132*

## CONFERENCES AND TRAVEL AWARDS

- Dynamics Days Travel Award, Dynamics Days '25 conference 2025

## INDUSTRY EXPERIENCE

### Algorithms Researcher

2023-2024

*Johns Hopkins University Applied Physics Lab*

### Technical Leadership Intern

2022

*IBM*

## AWARDS

- David Pollatsek '96 Prize in Computer Science, Carleton College 2023
- Distinction in Computer Science Thesis, Carleton College 2023
- Dean's List, Carleton College 2021-2022
- National Merit Scholar 2019-2023