**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†, C. Bregou†, D. Liben-Nowell†, K. Tomlinson†, T. Zeng†, “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