

Tristan Contant

Department of Statistics
Colorado State University
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Education

- Colorado State University**, Fort Collins, CO current
PhD, Statistics
Advisors: Yawen Guan and Ander Wilson
Committee: Kayleigh Keller, Tianjian Zhou, Jeffery Pierce
- Colorado State University**, Fort Collins, CO 2025
Masters of Statistics
- Calvin University**, Grand Rapids, MI 2023
Bachelor of Science, Statistics and Biology, Honors, *summa cum laude*

Experience

- City of Greeley**, Greeley, CO 2023–2024
Statistical Consultant
- Argonne National Laboratory**, Lemont, IL 2021–2022
Research Aide, Science Undergraduate Laboratory Intern (SULI)
Mentor: Sam Seaver
Extended the coverage of specialized metabolisms within plant metabolic reconstructions in PlantSEED and KBase

Research Interests

Spatial and spatiotemporal statistics; Bayesian statistics; computer model emulation and calibration; functional data analysis; R package development; environmental applications.

Publications

- [1] Tristan Contant, Yawen Guan, Ander Wilson, Adrian K. Turner, and Deborah Sulsky. *A Multi-Fidelity Tensor Emulator for Spatiotemporal Outputs: Emulation of Arctic Sea Ice Dynamics*. 2026. arXiv: 2603.04697 [stat.ME]. URL: <https://arxiv.org/abs/2603.04697>.

Awards

Academic Awards

Edward and Jeri Mulrow Scholarship, Colorado State University	2026–2027
For a student with quantitative statistics skills who is pursuing a career in the public sector	
Elmer E. Remmenga Scholarship, Colorado State University	2025–2026
For a student in applied statistics and statistical consulting	
First Year Scholarship, Colorado State University	2023–2024
William Rink Memorial Scholarship, Calvin University	2023
Awarded to one outstanding, fourth-year, Statistics student	
Howard Hughes Medical Scholarship, Calvin University	2019–2023
Henry Bengelink Memorial Scholarship, Calvin University	2020–2022
First Year Mathematics Scholarship, Calvin University	2019–2020
BCU College-Bound Scholarship, Baxter Credit Union	2019

Travel Awards

EnviBayes, Texas A&M, \$400	2025
ASA/IMS Spring Research Conference, Clemson University, \$600	2026

Presentations

Talks

Colorado–Wyoming Chapter of ASA, Denver, CO	2025
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Poster Presentations

Graduate Student Showcase, Fort Collins, CO	2025
EnviBayes, College Station, TX	2025
Bocconi Statistical Workshop, Como, Italy	2024
Graduate Student Showcase, Fort Collins, CO	2024

Skills

Languages & Software

R (Rstudio, package development), Rcpp, Python, bash, \LaTeX , Git/GitHub
high-performance computing environments (Alpine)

Applied Practice

Translating applied research, policy, or operational questions into statistical analyses
Exploratory data analysis, data cleaning, and visualization to inform decision-making

Statistical modeling, inference, and interpretation of results
Reproducible analysis, documentation, and reporting for collaborative projects

Teaching

Workshops

Colorado State University Libraries, Instructor, git and GitHub	2026
Colorado State University Libraries, Instructor, R basics	2025

Colorado State University

STAT-307: Introduction to Biostatistics, lecturer	2024
STAT-204: Statistics with Business Applications, recitation instructor	2023–2024
Statistical Success Center, tutor	2023–2024

Calvin University

MATH-255: Introductory Linear Algebra, grader	2021–2022
Introductory Statistics and Chemistry, tutor	2021

Service & Engagement

Partnership for Air Quality, Climate, and Health (PACH) Graduate student programming	2026
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Training/Workshop Participation

Ram Research Data Fellows, Colorado State University Libraries	2025–2026
Bocconi Summer School in Advanced Statistics and Probability, Italy	2024