Jade Lintott

Ph.D. Candidate in Computer Science | Algorithms, Combinatorics, and Optimization | Georgia Institute of Technology
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RESEARCH AREAS

Probabilistic combinatorics; random graphs; large deviations and lower tails for subgraph counts; conditioned random structures; approximate sampling.

EDUCATION

Georgia Institute of Technology **2022-Present**

Ph.D. Candidate in Computer Science, Algorithms, Combinatorics, and Optimization program

- Advisor: Will Perkins

Stanford University **2017-2022**

M.S. in Computer Science; B.S. in Mathematics with distinction

- M.S. GPA: 4.00; B.S. GPA: 4.05
- Phi Beta Kappa, 2021

PUBLICATIONS AND PREPRINTS

Jade Lintott, Will Perkins, and Corrine Yap. "Local large deviations for triangles in sparse random graphs." Preprint, September 2026. arXiv:2609.21890 [math.CO].

INVITED RESEARCH TALKS

University of Nebraska-Lincoln Discrete Math Seminar **March 2026**

Georgia State University Combinatorics Seminar **February 2026**

ACADEMIC SERVICE AND LEADERSHIP

Co-Head Organizer, Graduate Student Combinatorics Conference (GSCC) 2027 **2027**

Organizing Team Member, Women in Theory (WIT) Workshop **Present**

Financial Officer, Association for Women in Mathematics (AWM) Graduate Chapter **2025-2026**

Member, Emerging Leaders Advisory Board **2025-2026**

Co-organizer, weekly ACO student seminar **2023-Present**

HONORS

Phi Beta Kappa **2021**

B.S. in Mathematics with distinction, Stanford University

Teaching Experience and Preparation

TEACHING EXPERIENCE

Georgia Institute of Technology **Fall 2026**

Lead Instructor, Intro to Discrete Math for Computer Scientists

- Deliver twice-weekly lectures for a class of approximately 200 students.

MathILy-Er **Summer 2026**

Apprentice Instructor

- Taught binary linear algebra and graph theory to high school students in an inquiry-based setting.
- Wrote daily problem sets responsive to students' progress in the morning class.

Georgia Institute of Technology **2023-Present**

Teaching Assistant and Head Teaching Assistant

- TA, CS 3510 Design and Analysis of Algorithms (Fall 2023); TA, CS 3511 Honors Design and Analysis of Algorithms (Fall 2025); Head TA, CS 3510.
- Held office hours, wrote homework and exam problems, and graded exams and homework.

Stanford University **Spring 2020**

Visual Descriptionist, CS 103 Mathematical Foundations of Computing

- Provided instruction to a blind student and explained visual material in lectures and slides, especially for automata theory.

Stanford University **2018-2019**

Computer Science Section Leader

- Taught introductory computer science in Java and Python to more than 30 students, including programming methodology, data structures, and object-oriented programming.
- Led interactive grading sessions and debugged code with students in C++, Java, and Python.

TEACHING AREAS

Discrete mathematics for computer science; algorithms; graph theory; mathematical foundations of computing; introductory programming in Java and Python.

PROFESSIONAL DEVELOPMENT

Tech for Teaching certification program, Georgia Institute of Technology **In progress**