

Emrys King

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EDUCATION

Imperial College London, Faculty of Natural Sciences London, UK
Candidate for Master of Science (MSc): Statistics Sept 2025 – Sept 2026
Relevant coursework: Computational Statistics, Applied Statistics (expected)

Pomona College Claremont, CA, USA
Bachelor of Arts: majors in Mathematics and Spanish Aug 2021 – May 2025
Cumulative GPA: 3.92/4.00, Pomona College Scholar (top 25% of students) 2 terms
Relevant coursework: Statistical Linear Models, Advanced Linear Algebra, Statistical Inference

RESEARCH EXPERIENCE

Humanities Studio Fellow/Thesis with Distinction Claremont, CA, USA
Department of Mathematics and Statistics, Pomona College Jun 2024 – May 2025

- Investigated the intersection of statistics and eugenics from 1880-1970 as a self-designed senior thesis
- Received full funding (\$10,000) for year-long research via competitive grant (Humanities Studio Fellowship)
- Built database of public domain statistics manuals and textbooks, employed text analysis algorithms including TF-IDF and sentiment analysis to evaluate intersections between eugenics and statistics in education
- Delivered three oral presentations and one 70-page report currently in preparation for publication

Undergraduate Researcher Pittsburgh, PA, USA
Summer Undergraduate Applied Mathematics Institute, Carnegie Mellon University May 2023 – Aug 2023

- Collaborated with three colleagues researching zero-forcing processes and graph theory
- Presented biweekly to institute (professors, research fellows, and students) on findings and developments
- Developed algorithm in Python/SAGE to model long-term behavior of zero-forcing processes
- Contributed to research poster accepted at several conferences and to paper published in *Involve*

WORK & LEADERSHIP EXPERIENCE

Course Mentor and Grader Claremont, CA, USA
Department of Mathematics and Statistics, Pomona College Aug 2022 – May 2025

- Assisted professors in teaching college-level mathematics: Linear Algebra, Combinatorics, Calculus II, Number Theory & Cryptography, Statistical Linear Models
- Designed revision materials, led weekly review, and graded homework for 30-80 students per semester
- Coached students on proof-writing and mathematical thinking skills in one-on-one and group settings

Department Liaison Claremont, CA, USA
Department of Mathematics and Statistics, Pomona College Aug 2023 – May 2025

- Assessed needs of ~100 mathematics undergraduates through weekly meetings and study hours
- Implemented programming tailored to student needs, while ensuring compliance with liaisons' budget

Teaching Assistant Claremont, CA, USA
1-2-1 Math Program, Pomona College Jun 2022 – Jul 2022

- Led team of 15 students in undergraduate mathematics curriculum designed to bridge gaps in education
- Promoted students' academic growth and analytical thinking via mathematical problem-solving

SKILLS

Languages: fluent in English and Spanish
Computing: R, Python