KYLE HAMMER

+1 916-673-8286
Kyle.Hammer@uky.edu
https://math.as.uky.edu/users/keha289

EDUCATION

Doctorate | *Mathematics*   Expected 2026; GPA: 4.0
University of Kentucky   Lexington, Kentucky

Bachelor of Sciences | *Mathematics*   Aug. 2015 – May 2019; GPA: 3.73
California State University, Chico   Chico, California

WORK EXPERIENCE

NSG Error Correcting Codes Intern   June 2019 – January 2020
Intel Corporation   Santa Clara, California
- Worked on Developing Software to improve the Efficiency of the code design process for the next generation of codes used in Intel Solid State Drives
- Updated the emulation programs for the ECC process and decoding logic

Math Tutor   January 2018 – May 2019
Chico State SLC Center   Chico, CA
- Tutored undergraduate STEM students in a variety of mathematics courses
- Helped run the drop-in Mathematics tutoring
- Pre-Calculus, Calculus I, Calculus II, Calculus III, Mathematical Analysis

PROJECTS AND RESEARCH

Classifying Skateboard Tricks using Algebraic Topology/Geometric Mechanics   Spring/Summer 2020
California State University Sacramento

Spanning Tree Formulas For Abelian Covers and L-functions | *Honors Project*   Fall 2018/Spring 2019
California State University Chico

Mathematical Model for Determining Thermal Properties of Materials (REUT)   Summer 2018
California State University, Chico

S-Euclidean Imaginary Quadratic Number Fields (REUT)   Summer 2017
California State University, Chico

CONFERENCES AND PRESENTATIONS

L-functions of Graph Covers (Poster)   April 2019
Northern California Undergraduate Math Conference

L-functions of Graph Covers (Poster)   February 2019
MAA Section Meeting (San Jose, CA)

Mathematical Model for Determining Thermal Properties of Materials   January 2019
Joint Math Meetings

S-Euclidean Imaginary Quadratic Number Fields   December 2017
West Coast Number Theory Conference

HONORS AND AWARDS

Outstanding Graduating Senior   May 2019
Recognized by the faculty of CSU Chico for my years of achievement within the math department

Dean's List   Fall 2017 - Spring 2019
Recognition for 3.5+ GPA at CSU Chico, Received 7 of 8 Semesters Attended

Pi Mu Epsilon Member/ CSU Chico Chapter   May 2018
Merit Based Mathematical Honors Society

TEACHING EXPERIENCE

Pre-Calculus   Fall 2020
University of Kentucky   Lexington, KY

Calculus II   Spring 2020
University of Kentucky   Lexington, KY

SKILLS

Languages: English (Native), German
Programming: Python (SAGEMATH), MATLAB, C/C++