

KAYDEN MIMMACK

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🔗 Portfolio: mimmackk.github.io

EDUCATION

UC Davis

June 2020

M.S. Applied Mathematics

- Graduate Student Association Representative for applied mathematics program
- Areas of study included neural networks, numerical analysis, high-dimensional probability, mathematical biology, and asymptotic analysis

Tufts University

May 2018

B.S. Applied Mathematics

- Summa Cum Laude
- Mathematical Contest in Modeling Meritorious Winner, 2017
 - Modeled effect of self-driving cars on Seattle traffic using MATLAB 🔗
- Areas of study included data structures, assembly language, machine structure, engineering psychology, and web development

EXPERIENCE

UC Davis

Davis, CA
Summer 2019

Associate Instructor in Mathematics

- Taught 50-student undergraduate course in Linear Algebra
- Renowned for clear, engaging, and enthusiastic lectures
- Outstanding Graduate Student Teaching Award Nominee

UC Davis

Davis, CA
Sep 2018 – June 2020

Graduate Teaching Assistant

- Incorporated household objects, created digital visualizations, and utilized descriptive metaphors to explain mathematical concepts
- Earned consistently stellar student reviews 🔗
- Requested by name by multiple instructors

UC Santa Barbara

Santa Barbara, CA
Summer 2017

Undergraduate Mathematics Researcher (NSF REU)

- Formulated conditions under which linearizations in the family $DL(P)$ are unusable for computing eigenvalues of matrix polynomials
- Coded, optimized, and analyzed numerical experiments in MATLAB to corroborate developed theory

Tufts Observer Student Magazine

Medford, MA
Jan 2015 – May 2018

Multimedia Director

- Established team for designing and developing interactive web pages to creatively enhance content of featured articles
- Researched and implemented new JavaScript libraries and APIs bi-weekly
- Seamlessly integrated single-page applications with WordPress-hosted website

SKILLS

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|----------|---------------------|-------------|---------------------|
| × Python | × HTML/CSS | × Git | × Adobe InDesign |
| × MATLAB | × JavaScript/jQuery | × Linux | × Adobe Illustrator |
| × C/C++ | × Node.js | × WordPress | × Adobe Photoshop |