

Michael J. Hoffman

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Education

UNIVERSITY OF CALIFORNIA - SAN DIEGO GPA: 3.76 La Jolla, CA
Bachelor of Science in Mathematics - Focus on Pure Mathematics June 2024
Areas of Interest: Numerical Linear Algebra, Numerical Analysis, Linear Optimization
Provost Honors

UNIVERSITY OF MINNESOTA - TWIN CITIES Minneapolis, MN
Post Secondary Enrollment Option - Full Time GPA: 3.90 Sept. 2021-June 2022

WHITE BEAR LAKE AREA HIGH SCHOOL White Bear Lake, MN
Graduated Summa Cum Laude. ACT: 36 June 2022

Experience

INSTRUCTIONAL ASSISTANT La Jolla, CA
UC San Diego Mathematics Department Sept. 2023-Present

- Assisted a TA in the facilitation of three, 50+ student, weekly recitation sections of Linear Algebra
- Hosted weekly office hours, prepared study materials and aided students in preparation for exams
- Participated in the development of grading rubrics and the proctoring and grading of midterms and finals

TECH ACADEMY White Bear Lake, MN
Elementary School Teacher June-Aug. 2023

- Instructed classrooms of 24 elementary students in STEM subjects including Computer Programming, 3D printing, Engineering Principles, Computer Skills, and Elementary Logic
- Fostered a fun and engaging classroom environment, resolved behavioral conflicts, encouraged students development through personalized activities and challenges

PRIVATE TUTORING White Bear Lake, MN
AP Calculus AB & BC Tutor for High School Students Sept. 2021-June 2022

- Explained advanced Calculus concepts to 4 high school students through one-on-one tutoring sessions
- Advised students on testing strategies in preparation for the Advanced Placement Exam

LINCOLN ELEMENTARY White Bear Lake, MN
Volunteer Teaching Assistant Grades K-5 Jan. 2022-June 2022

- Instructed a group of 4 fifth grade students in mathematics concepts & techniques
- Assisted two Kindergarten teachers in the classroom by supporting individual struggling students

Major Coursework

Foundations of Real Analysis I & II • Mathematical Reasoning • Applied Linear Algebra II • Abstract Algebra • Foundations of Topology • Enumerative Combinatorics • Complex Analysis • Applied Complex Analysis • Multivariable Calculus • Linear Algebra • Differential Equations • Computer Science • Calculus I & II

Leadership & Activities

- Captain of Varsity Cross Country Team: Coordinated Summer & Winter practices. Led routine drills & workouts. Worked closely with coaches & athletes to develop an inclusive team atmosphere.
- Member of: Varsity Track & Field Team, National Honor Society, Environmental Club, Student Council, Nordic Ski Team

Technical Skills

Python • Microsoft Excel • MATLAB • LaTeX