

Kyle J. Mickelson

Curriculum Vitae



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EXPERIENCE

JUN 2022 – SEP 2022

Boston University

Office Assistant (Mathematics Department)

- Coordinated office activities and operations
- Filed course transfers, grade changes
- Managed phone calls and correspondence (letters, packages)

JUN 2021 – SEP 2021

MGH: Vaccine and Immunotherapy Center

Research Assistant

- Coordinated independent research to assist lab group in completing data analysis
- Created novel data collection algorithm to maximize efficiency and quality of samples taken
- Analyzed samples with imaging software, presented results to lab

JUN 2019 – SEP 2019

MGH: Center for Genomic Medicine

Research Assistant

- Completed training in various laboratory techniques
- Negotiated system for high school interns to fill laboratory niches
- Collaborated with interns to construct research presentation

REFERENCES

Chelsey Edwards

POSITION Undergraduate Program Coordinator
EMPLOYER Department of Mathematics and Statistics
Boston University

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PUBLICATIONS

MAY 2024 **Hopf Algebras and Hopf-Galois Theory**
Bachelor's thesis on generalization of Galois theory to case of finite separable extensions of fields.

FEB 2024 **Group Extensions and $H^2(G, A)$**
Paper detailing connection between group cohomology and group extension problem.

SEP 2020 **Organic Chemistry: Reaction Mechanisms Vol. 1**
Published textbook covering topics pertaining to first semester organic chemistry course.

EDUCATION

2024 – 2024

Master of Arts

Pure and Applied Mathematics
Boston University

2021 – 2024

Bachelor of Arts

GPA: 3.96
Pure and Applied Mathematics
Boston University

AWARDS

College Prize for Excellence in Mathematics

Awarded to the graduating student with the strongest academic record.
Boston University

Honors in Mathematics

Awarded for the successful completion and defense of Bachelor's thesis.
Boston University

Student Commencement Speaker

Awarded opportunity to be student speaker for math department commencement
Boston University

Summa Cum Laude

Boston University

SKILLS

SOFTWARE Python, \LaTeX , R, Mathematica, Excel

WRITING Able to produce concise, organized organized reports, data presentation

LANGUAGE English (Native)
Mandarin (lmtd. working proficiency)

ACTIVITIES

President of Math Club

In the fall of 2022 I created the math club at Boston University, presiding over the club until my graduation. In direct communication with professors and the department, I organized weekly meetings, competitions, social events, and more during this period.