

Andrew Kerr

B.S. Physics & B.M. Music Performance
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PROFILE

- Highly dependable, motivated student with 5 years of experience developing quantitative and research skills
- Passionate about connecting with others through thoughtful communication, and working together to achieve common goals

EDUCATION

UNIVERSITY OF MICHIGAN - BS PHYSICS & BM MUSIC PERFORMANCE

September 2018 - April 2023

Ann Arbor, Michigan

- 3.9 Cumulative GPA
- Relevant Coursework: Introductory Calculus Sequence, Differential Equations, Math Methods for Theoretical Physics, Applied Linear Algebra, Physics Labs (Mechanics, Electromagnetism, Modern Physics)

MARTINGROVE COLLEGIATE INSTITUTE

September 2014 - June 2018

Toronto, Ontario

- Honour Roll, Graduating Award for Physics

WORK EXPERIENCE

GLOTZER GROUP - DEPARTMENT OF CHEMICAL ENGINEERING

Ann Arbor, Michigan

Research Assistant

April 2021 - Present

- Contribute code updates, bug fixes, and new features to open source molecular dynamics software packages.
- Communicate my work progress and coordinate new development efforts in weekly research group meetings.
- Develop basic literacy using Python, Cython, C++, Bash, and Git.

DEPARTMENT OF PHYSICS

Ann Arbor, Michigan

In-class Learning Assistant

September 2019 - December 2019

- Aid students in understanding Introductory Physics course content as it is presented in real time.
- Provide thoughtful, concise answers to student questions in order to facilitate group work assignments.
- Maintain a strong command of introductory mechanics concepts and problem-solving strategies.

LOBLAW COMPANIES - SHOPPER'S DRUG MART

Toronto, Ontario

Merchandiser

April 2020 - July 2020

- Provide essential services during pandemic; front line COVID-19 work experience.

TORONTO SUMMER MUSIC CAMP

Mono Cliffs Outdoor Education Centre

Counsellor and Percussion Instructor

July 2016 - July 2019

- Provide engaging lessons and instruction, covering a wide variety of percussion instruments.
- Collaborate with other counsellors to organize and lead daily outdoor activities.
- Create one-on-one connections with campers to promote a positive, inclusive environment and sense of community.

ADDITIONAL

- Member of the National Society of Collegiate Scholars - University of Michigan Chapter
- University of Michigan Symphony Orchestra (2020)
- Member of National Youth Orchestra of Canada and Edges of Canada Tour (2017)
- Toronto Symphony Youth Orchestra (2015- 2018)