

Ethan Luvisia - Resume

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EDUCATION

University of Rochester

BS in Applied Mathematics + BA in Computer Science

Rochester, NY

Jan 2025 – Current

University of Massachusetts Boston

Bachelor of Science in Computer Science: GPA - 3.968

Boston, MA

Aug 2023 – May 2025

RELEVANT COURSEWORK

Calculus I, Calculus II, Multivariable/Vector Calculus

Intro to Computing, Discrete Mathematics

Nonlinear Optimization, Linear Algebra

RELEVANT EXPERIENCE

McNair Scholars Program - Computer Science Researcher

University of Massachusetts Boston

July 2024 – Present

Boston, MA

- Investigated the synthesis of AI/Machine Learning and Music Composition.
- Implemented a model to parse sheet music data and return dynamic sheet music SVG animations.

Computer Programming Instructor

University of Massachusetts

Jan 2024 – Present

Boston, MA

- Led group teaching efforts, teaching children game development in JavaScript and Unity.
- Provided group and individual teaching to kids aged 8-14 by combining music teaching skills with programming expertise.

Front Desk Receptionist

Lasell Village

June 2023 – May 2024

Newton, MA

- Provided exceptional customer service by assisting residents, visitors, and staff.
- Managed front desk responsibilities, including inquiries and administrative tasks.

Music Lecturer and Teacher

Berklee College of Music

Aug 2023 – Present

Boston, MA

- Taught over 30 students in one-on-one settings for introductory to advanced courses.
- Conducted a lecture for over 50 residents at Lasell Village.

Mathematics Tutor

University of Massachusetts

Aug 2024 – Present

Boston, MA

- Tutored College Algebra, Precalculus, and Calculus I-III.
- Utilized music teaching experience to simplify complex mathematics concepts for students.

PROJECTS

Programmatic Music Theory Instructor | *Python, Adobe Premiere, Manim*

June 2020 – Present

- Reached over 20,000 people with computationally animated lessons in music theory.
- Created educational content integrating Python's Manim library with Adobe tools.
- Developed vector graphics for music concepts: [Link to my work](#)