

# Michael Lin

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Undergraduate junior seeking industry experience in artificial intelligence. Demonstrated experience in machine learning solutions both in the classroom and as an undergraduate researcher

## Education

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### Boston College

Bachelor's Degree

Chestnut Hill, MA

*Expected Graduation: May 2025*

- **Majors:** B.S. in Computer Science, B.A. in Mathematics
- **Relevant Coursework:** Multivariable Calculus, Linear Algebra, Probability Theory, Mathematical Statistics, Algorithms, Computational Complexity, Computer Vision

## Technical Skills

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Extensive experience with Python, Numpy, PyTorch, OpenCV

Moderate experience with Java, C, R, Verilog

## Work Experience

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### Undergraduate Research Fellow (Boston College)

*January 2023 – present*

- Led creation and maintenance of a machine learning-based method for microscopy segmentation, enabling a hundred-fold speed increase in point-of-interest detection and categorization
- Improved instructive capabilities through facilitating task distribution and providing accessible support to a team of undergraduates during their onboarding for a computer vision project
- Strengthened technical writing skills through the creation of multiple drafts of a technical abstract for a microscopy conference

### Teaching Assistant (Boston College)

*August 2022 – May 2023*

- Utilized verbal and visual methods to instruct forty students on the fundamentals of Numpy, OpenCV, and Pytorch machine learning packages as a teaching assistant for Biomedical Image Analysis
- Conducted both in-person and virtual office hours and often holding one-on-one correspondence with students on solving homework problems and efficient debugging methodology
- Assisted in grading problem sets and biweekly labs, delivering punctual and thorough reports on trends in student performance to supervising professor

### General Service Server (Boston College Dining)

*May 2022 – August 2023*

- Coordinated with group of ten for setup and breakdown of buffet venue for school orientation, serving over eight thousand guests over ten weeks
- Delivered excellent customer service with an amenable and welcoming attitude, promptly clearing tables for expedited table turnaround time and improving customer experience

## Extracurricular Activities

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### Machine Intelligence Group

*August 2023 – present*

- Expanded understanding of topics like neural radiance fields and transformers during biweekly technical seminars on machine learning theory
- Researched U-Net model architecture for applications in generalized segmentation models and presented findings to audience of ten technically versed undergraduates

### Boston College Competitive Programming Club

*January 2022 – December 2023*

- Enhanced proficiency of computational algorithms and their time efficiency through weekly trainings on dynamic programming, computational graph theory, and other advanced topics
- Demonstrated technical capability through out-competing other school teams in initial qualifiers and representing Boston College at ICPC East Regional Qualifiers

## Miscellaneous

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**Languages:** Broad proficiency in English through technical writing in research and creative fiction in high school extracurriculars; fluent in conversation in Mandarin Chinese

**Interests:** Long-distance running, contemporary American fiction novels, Japanese animation