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

Boston College *Expected graduation: May 2025*

- **Degree:** 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

Extensive experience with Python, Numpy, PyTorch, OpenCV.

Moderate experience in Java, C, R, Verilog.

Work Experience

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
- Refined ability to communicate with a non-technical audience through presenting on development of computer vision solutions to a research group of several physics undergraduates
- 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 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 2022*

- Coordnated 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

Boston College Competitive Programming Club *January 2023 – present*

- 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 intial qualifiers and representing Boston College at ICPC East Regional Qualifiers

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 UNet model architecture for applications in generalized segmentation models and presented findings to audience of ten technically versed undergraduates

Miscellanous

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

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