

# Victor Verma

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## EDUCATION

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### Boston University

B.A. in Mathematics and Computer Science

Boston, Massachusetts

Expected Graduation, May 2025

- **Minor:** Data Science
- **GPA:** 3.83/4.00
- **Honors:** Dean's List, Undergraduate Research Opportunities Program Student Research Award
- **Related Coursework:** Algorithms, Combinatoric Structures, Computer Systems, Concepts of Programming Languages, Probability in Computing, Software Engineering, Introduction to Machine Learning and AI, Applied Abstract Algebra, Differential Equations, Linear Algebra, Multivariate Calculus, and Probability.

## EXPERIENCE

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### Boston University

Undergraduate Research Assistant

Boston, Massachusetts

Jan 2023 – Present

- Designed Python software using the Google Search API, BeautifulSoup, and the ChatGPT API to collect biodata for 150,000 U.S. state legislator candidates from 600,000 web pages.
- Cleaned and organized the data with the pandas and json libraries.
- Increased data collection efficiency by 16x by implementing multithreading, rate limiting, and error handling.

### Boston University

Computer Assistant/Programmer

Boston, Massachusetts

Sep 2021 – Present

- Coordinated with professors, students, and team members at the Questrom Open Access Lab to swiftly and effectively brainstorm solutions to technology challenges in dynamic classroom settings.
- Demonstrated proficiency in Salesforce Lightning by successfully completing Salesforce Trailhead Modules, gaining valuable experience in the platform.

## PROJECTS

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### Portfolio

May 2023 – Present

- Created a portfolio website with the MERN stack using TypeScript and Bootstrap.
- Deployed on Vercel and periodically receives maintenance and improvements.

### SportsNews

Mar 2023 – May 2023

- Developed a Python script for real-time news retrieval for 6 sports, automating data scraping, headline formatting, and newsletter creation.
- Utilized HTML and CSS to design user-friendly email newsletters.
- Deployed the solution on Heroku, enabling the scheduled delivery of newsletters to sport-specific mailing lists at 9:00 a.m. EST daily.

## ACTIVITIES AND LEADERSHIP

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### Kappa Theta Pi - Lambda Chapter

App Committee Head

Boston, Massachusetts

Sep 2023 – Present

- Directed a 9-member team in conceptualizing, designing, and developing applications within Kappa Theta Pi.
- Mentored members in full-stack development, offering support and resources to promote knowledge sharing and skill development within the organization.

### Boston University Barbell Club

Member

Boston, Massachusetts

Sep 2022 – Present

## SKILLS

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**Programming:** Python, HTML/CSS, JavaScript/TypeScript, React.js, Express.js, Node.js, MongoDB

**Technical:** Algorithms, Data Structures, Object-Oriented Programming, Web Development, Web Scraping

**Tools:** Visual Studio, Jupyter Notebooks, Git, Bootstrap