

## EDUCATION

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- **Northeastern University**

Boston, MA

*Candidate for B.S. in Computer Science and Criminal Justice*

*August 2023 – April 2027 (expected)*

- Dean's List for all semesters
- Clubs & Organizations: ACM Chapter, Content Club

## RELEVANT COURSEWORK

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- **CS3500:** Object-Oriented Design
- **CS3200:** Database Design
- **CS3000:** Algorithms & Data
- **CS2500 & CS2510:** Fundamentals of Computer Science 1 & 2
- **MATH1310:** Introduction to Math Reasoning

## TECHNICAL SKILLS

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- **Languages:** Java, Python, Javascript, PHP, HTML/CSS, Kotlin
- **Databases:** MySQL, SQLite, MongoDB
- **Frameworks:** Node.js, Flask, WSGI, JUnit, Jest, JQuery
- **Server Software:** Caddy, Apache2, Nginx
- **Developer Tools:** VS Code, Bash, Linux, IntelliJ IDEA, Docker, Notion

## PROJECTS

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- **Trace TL;DR:** Summarizes Northeastern's TRACE professor evaluations using MongoDB and Google's Gemini AI
  - Utilized BeautifulSoup to scrape survey results from TRACE website while authenticated
  - Stored extracted data in MongoDB
  - Created frontend to display data; parsed data from Google's Gemini API
  - Implemented temporary server-side caching with Varnish
- **Sit Down And Study:** Sharpens programming abilities with AI-generated, LeetCode-style questions and code execution
  - Collaborated with teammate at YaleHacks 2024
  - Utilized prompt engineering to generate tailored programming problems with OpenAI's API
  - Developed user-friendly frontend with ReactJS
  - Evaluated code solutions with Judge
- **Node News:** Streamlined newsletter mailer with intuitive user interface and administrator panel
  - Wrote an administrator panel to manage subscribers and send mail in Node.js
  - Leveraged a Javascript library with a remote SMTP server to automate mail delivery
  - Retained subscriber details in a SQLite database
- **BART API:** Unofficial API for Bay Area Rapid Transit
  - Leveraged BeautifulSoup to parse DOM
  - Extracted train times, station information, and alerts
  - Displayed extracted information in JSON format
- **Calculus Final:** Visualize integrals compared with Riemann sums and midpoint rule
  - Implemented a JQuery slider to adjust numerical input
  - Represented mathematical expressions with LaTeX
  - Employed Python's integrate library to calculate sums and integrals
  - Displayed data and calculated integrals via a Python Flask-powered API

## INTERESTS

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- Cycling, traveling, video editing, tennis, kayaking