

Trent Wiles

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Available from July-December 2025 in Boston, New York, and San Francisco

EDUCATION

Northeastern University — Khoury College of Computer Sciences

Boston, MA

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

August 2023 — Present

- GPA: 3.69/4; Dean's List for all semesters; expected graduation: May 2027
- Clubs & Organizations: ACM Chapter, Content Club
- Relevant Coursework: Object-Oriented Design, Database Design, Advanced Software Development, Software Engineering, Algorithms & Data, Introduction to Math Reasoning, Discrete Math

TECHNICAL SKILLS

Languages: Java, Python, Javascript, TypeScript, HTML/CSS, PHP, C, Kotlin, Rust, Go

Frameworks: Node.js, Flask, ExpressJS, React, WSGI, JUnit, Jest, JQuery

Databases: MySQL, PostgreSQL, SQLite, MongoDB, Redis

Developer Tools: Git, GitHub, Bash, Linux, Notion, LaTeX

Infrastructure: Caddy, Apache2, Nginx, Docker, Netlify, Varnish Cache, DigitalOcean

PROJECTS

Sit Down And Study | *Javascript, Python, React, Google Gemini*

October 2024

- Created a learning platform, allowing users to solve AI-generated, LeetCode-style coding problems, run their solutions online, and receive instant feedback
- Developed a backend combining Express.js, Judge0, and MongoDB that crafted concept explanations and sample questions to challenge a user's understanding

Flag | *PHP, MySQL, Apache Server*

December 2020

- Developed a robust video sharing platform that allowed users to upload, watch, and rate videos
- Employed MySQL to store video information and user metadata; used PHP to render webpages

Trace TL;DR | *Python, Flask, MongoDB*

November 2024

- Scraped hundreds of teacher evaluations from Northeastern's TRACE platform daily and aggregated them in a MongoDB database
- Designed a high performance platform to drastically speed up data access rates, utilizing an LLM to summarize key positive and negative characteristics of professors

Node News | *Javascript, SMTP, Flask*

August 2024

- Engineered a user interface allowing users to subscribe to a newsletter, and allowing administrators to manage subscribers and newsletters
- Implemented a system to send scheduled communications to all subscribed users, with a focus on engagement

Calculus Final | *JavaScript, LaTeX, Python, JQuery*

May 2023

- Developed an interface that allows users to compare the accuracy of integral approximations to the actual integral calculation
- Used JQuery to develop client-side logic and used LaTeX to display equations
- Worked with Python Flask to calculate integrals and approximations via an API

Shore Line East API | *Python, BeautifulSoup, Flask, Varnish Cache*

October 2023

- Developed an thorough unofficial RESTful API for Connecticut's commuter rail system using BeautifulSoup to scrape data
- Retrieves and displays train arrival times, station metadata, and fares in JSON format
- Utilized Varnish Cache to temporarily cache frequently retrieved data on the server side to speed up request times

INTERESTS

Cycling, traveling, video editing, tennis, kayaking