Trent Wiles

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

EDUCATION

Northeastern University — Khoury College of Computer Sciences — Boston, MA
Candidate for Bachelor of Science in Computer Science and Criminal Justice — *August 2023 — Present*

- GPA: 3.7/4.0; 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 explainations and sample questions to challenge a user's understanding

Flag | *PHP, MySQL, Apache Server* — December 2020
- Engineered 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
- Hosted 240 videos and 100 unique users at peak

Trace TL;DR | *Python, Flask, MongoDB* — November 2024
- Aggregated hundreds of teacher evaluations from Northeastern's TRACE platform daily into 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
- Analytics reported over 150 unique visitors per day, at peak

Calculus Final | *JavaScript, LaTeX, Python, JQuery* — May 2023
- Devised an interface that allows users to compare the accuracy of intergral approximations to the actual integral calculation
- Implemented JQuery to develop client-side logic, LaTeX to display equations, and calculated integrals via a Python Flask API

Shore Line East API | *Python, Beautiful Soup, Flask, Varnish Cache* — October 2023
- Crafted an thorough unofficial RESTful API for Connecticut's commuter rail system using Beautiful Soup to scrape data
- Retrives and displays train arrival times, station metadata, and fares in JSON format; cached data with Varnish Cache to speed up request times

EXPERIENCE

Guilford Racquet and Swim Club — May 2021 – August 2023
Junior Tennis Pro

- Delivered quality tennis coaching to children ages 4-15 and ran private lessons
- Addressed parent questions and concerns; tailored lessons to reflect conversations

INTERESTS

Cycling, Traveling, Video Editing, Tennis, Kayaking