

Trent Wiles

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

Email: wiles.t@northeastern.edu

Phone: (617) 706-5565

trentwiles.es | github.com/trentwiles | linkedin.com/in/trentwiles

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

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

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

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

October 2023

- Crafted 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; cached data with Varnish Cache to speed up request times

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

May 2023

- Devised an interface that allows users to compare the accuracy of integral 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

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

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