

Logan Tracy

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EDUCATION

University of Connecticut

Graduated August 2021

Bachelor of Arts - Applied Mathematical Sciences
Storrs, CT

- Took additional coursework in Computer Science and Engineering disciplines to strengthen applicational knowledge of mathematics in computing and software engineering.
- Managed finances as Treasurer of UConn Empower, a student organization devoted to providing healthcare and educational services to the underprivileged.

WORK EXPERIENCE

Substitute Teacher

September 2021 - Present

Norwich Free Academy
Norwich, CT

- Acquired leadership skills by managing and directing students in a classroom setting.
- Improved personal adaptability by assisting students in coursework across multiple subject areas.
- Collaborated with teachers I step in for in order to ensure their students' learning would not be disrupted in the primary teacher's absence.

Student Laboratory Technician

June 2019 – March 2020

University of Connecticut Department of Physics
Storrs, CT

- Designed new experiments, revised lab coursework, and maintained equipment to improve the undergraduate curriculum and create more effective learning experiences.
- Composed Jupyter Notebooks using Python to help introduce engineering students to problem solving and visualizing data through programming.

PROJECTS & SKILLS

Steam with Friends

September 2021 - Present

React.js, Flask, SQLite, Python, Javascript, REST API
github.com/loganstracy/steam-with-friends

- Full Stack Flask/React application that assists groups of friends using the Steam platform in figuring out what game to play.
- Served by a Flask server with its own REST API endpoints that can be used by the front end React application or other users. Implements a SQLite database populated by user inquiries.

Sort Visualizer

November 2021 - Present

Python, Pygame, Data Structures & Algorithms
github.com/loganstracy/sort-visualizer

- A local applet that allows users to visually preview several sorting algorithms. Implements a custom data structure called *RewindableList* that allows the program to replay the sorting algorithm in real time.

Languages: Python, Java, Javascript, Typescript, C

Frameworks: React, React-Bootstrap, Next.js, Pygame, REST API, Flask