

Thomas Coffey

845-863-6371 | coffeyt1@newpaltz.edu | <https://www.linkedin.com/in/thomas-j-coffey/> | <https://github.com/TomTomCoffey>

EDUCATION

SUNY New Paltz

Bachelor of Science in Computer Science

GPA: 3.73

New Paltz, NY

Aug. 2020 – (Expected Dec 2023)

PROJECTS

Question Answering System | *Pytorch, Transformers, Python, Flask, JavaScript, PHP*

August 2023 – Present

- * Developing a Question-Answer System leveraging the BERT natural language processing model
- * The system can provide accurate responses to user queries by utilizing the Wikipedia API as a primary knowledge source.
- * Implemented multi-threading to ensure smooth and efficient handling of concurrent user queries, eliminating potential bottlenecks
- * Expanding the project's capabilities by enabling users to integrate and employ an integrated Web Crawler as an additional resource for querying

Fitness Tracker | *Vue, MongoDB, Node Js, Express, Typescript, HTML/CSS*

January 2023 – May 2023

- * Utilizes the homepage of the app to display the customers workout statistics such as total weight lifted and number of personal records
- * Inputs users cardio or powerlifting workouts in the exercise tab, users are alerted if a personal record is achieved through a notification system
- * Generates easily readable modular line graphs, based on user-generated data, to visually display overall exercise growth over time

Exercise Generator | *Vue, Node Js, Express Js, MongoDB, Typescript, HTML/CSS*

January 2023 – April 2023

- * Led group of 5 in development of the application using agile methodologies
- * Created an app that generates daily workout routines for students based on the equipment available at the gym to provide users with quick and easily accessible routines
- * Users can adjust workout difficulty to align with their skill level, providing them with the necessary sets, reps, and weights to maintain their fitness goals

EXPERIENCE

Freelance Web Developer

Tony's Newburgh Lunch

May. 2023 – Present

Newburgh, NY

- Building a user-friendly website to improve customer traffic
- Implementing a new feature on the website where customers can order and pay for their food online while orders are processed and printed to the store's POS system to improve efficiency

Supplemental Instructional Leader

SUNY New Paltz

January 2023 – May 2023

New Paltz, NY

- Developed and implemented 20+ lessons that aligned with the curriculum for the course in Computer Science of Data Structures
- Assisted 15+ students with debugging and programming
- Organized review sessions twice a week to provide additional support in the course material

ACADEMIC EXTRACURRICULAR ACTIVITIES

SUNY New Paltz CS Club | *Secretary*

August 2020 – Present

SUNY New Paltz Eleet Coders | *Member*

January 2023 – Present

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, HTML/CSS, Typescript, Assembly

Frameworks: Node Js, VueJs, Express Js, Bulma, React, Bootstrap

Developer Tools: Git, GitHub, Docker, VS Code, Visual Studio, IntelliJ, Eclipse, Postman, Render