NICHOLAS TRIANO

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WORK EXPERIENCE

APRIL 2023 – OCTOBER 2023

ENGINEERING INTERN, SYSTECH

- Developed Python code to increase efficiency of data collection and test completeness of dataset.
- Designed and developed automation testing for web UI and APIs with Robot Framework and Python.
- Automated creation of data reports in Excel using Python and XlsxWriter.
- Consumed backend APIs to process data, download and organize files from cloud storage using async requests.
- Effectively communicated and collaborated with cross-functional teams, sharing test findings.
- Performed cross-platform compatibility testing, ensuring seamless app performance and user satisfaction.

JANUARY 2017 – OCTOBER 2020

ASSISTANT MANAGER, SAKER SHOPRITES, INC.

- Managed team of 4-6 Grocery Clerks to ensure the store was properly stocked, organized, and clean.
- Coordinated store layout design with Grocery Manager to maximize sales, resulting in higher year-over-year sales during the following 90 days.
- Led staff through high pressure situations due to 30% increased demand during the COVID pandemic.

PROJECTS

WORDLE-MON - wordle-mon.herokuapp.com - **GitHub**

- Word list provided by utilizing an open-source API to manage local storage for board state and user statistics.
- Daily update achieved using custom API - Node, Express, and MongoDB.

TEM-TEM VIEWER - temtem-viewer.herokuapp.com - **GitHub**

- Used an open-source API to display the characters in 3D with stat cards and custom pagination.
- Developed a custom API to change the daily character that users can guess and comment about.

PROJECT MANAGER - project-manager-angular.herokuapp.com - **GitHub**

- Built with Angular, Tailwind CSS, utilizing Json-server for an in-memory database and simulated REST API, and authenticated users with Firebase auth.
- Leveraged Angular CLI to create components, services, and build for production.
- Created user-friendly interfaces that incorporate template driven forms and component driven architecture for a streamlined user experience.

A*/ THETA* GRID VISUALIZATION - **GitHub**

- Utilized the tkinter library in python to create a visualization of both the A* and Theta* path finding algorithms.
- Analyzed both algorithms for runtime, space requirements and average path lengths to compare practical usage.

TECHNICAL SKILLS

- HTML/CSS
- JavaScript
- SQL/NoSQL
- Node.js
- Python
- Angular
- TailwindCSS
- Microsoft Excel
- React
- Git
- REST APIs
- Java

EDUCATION

JANUARY 2021 – DECEMBER 2022

B.S. COMPUTER SCIENCE, RUTGERS UNIVERSITY

Minor in Mathematics

SEPTEMBER 2018 – DECEMBER 2020

A.S. COMPUTER SCIENCE, RARITAN VALLEY COMMUNITY COLLEGE