

Jack Scali

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EDUCATION

State University of New York Oneonta

Oneonta, New York

B.S. in Computer Science

Expected Graduation, May 2025

- **Concentration:** Applied Computing
- **Honors:** Dean's List Spring '23
- **Related Coursework:** Data Structures and Algorithms, Computer Languages, Computer Architecture, Intro to Relational Databases, Artificial Intelligence, Internet Programming, Organ of Programming Languages

PROJECTS

Personal Portfolio Website

Mineola, New York

Front-End Web Developer

Nov 2023 - Present

- Architected and deployed a comprehensive web portfolio on GitHub Pages, effectively showcasing personal projects and technical skills, utilizing HTML, CSS, and JavaScript for interactive user experience.
- Implemented advanced responsive design techniques, ensuring seamless accessibility and optimal viewing across various devices, leveraging CSS Flexbox, Bootstrap, and Tailwind CSS for layout and styling.
- Integrated jQuery and react for dynamic content presentation, enhancing site interactivity and user engagement, with smooth navigation and live project demonstrations.

Collaborative Workspace Platform

Oneonta, New York

Front-End / React Developer

Mar 2024 – Apr 2024

- Designed and implemented a dynamic user interface using React and TypeScript, featuring responsive components like SignUp, SignIn, MainInterface, Create Room, enhancing user interaction and functionality.
- Developed a flexible ColorPicker component for real-time color customization, demonstrating advanced state management and interactive design skills, which improved user engagement aspects of the platform.
- Integrated Material-UI and React Router, achieving a consistent navigation experience across the application, showcasing proficiency in modern front-end development and design principles.

Calories Burnt Prediction using Machine Learning

Oneonta, New York

Machine Learning Engineer / Data Scientist

Jan 2024 – Mar 2024

- Created a Calorie Predictor using Python with libraries like pandas, numpy, seaborn, and scikit-learn to build predictive models. Employed algorithms such as Linear Regression, Random Forest Regression, and XGBoost.
- Conducted data cleaning, handled missing values, and encoded categorical variables using StandardScaler and OrdinalEncoder. Visualized data distributions with seaborn and matplotlib for insights.
- Evaluated model performance with R-squared score and cross-validation, fine-tuning hyperparameters for accuracy. Contributed to improved fitness tracking and personalized workout recommendations.

Visual SynthAI

Oneonta, New York

Front – End Developer

Nov 2023 - Dec 2023

- Engineered an AI image generator project using HTML, CSS, and JavaScript for dynamic functionality.
- Integrated an API key for OpenAI to facilitate image generation based on user input prompts.

ACTIVITIES & LEADERSHIP

CodePath

Remote

Community Member | Web Development 101 Student

Feb 2024 – Present

The Odin Project

Remote

Community Member | Full Stack JavaScript Path

Dec 2023 – Present

Computer Programmers United

Oneonta, New York

Club Member | Project Contributor

Jan 2023 – Present

SKILLS

Programming Languages: HTML, CSS, JavaScript, TypeScript, Python, SQL, C++, C

Tools / Frameworks: Git, Visual Studio Code, GitHub, Material-UI, React JS, Bootstrap, Tailwind CSS, Node JS, jQuery

Other Skills: Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Microsoft Access, Google Cloud, Google Colab