

Christopher Variara

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EDUCATION

SUNY Polytechnic Institute

Utica, NY

Bachelor of Science in Computer Science, Minor in Game Design and Development

Aug. 2020 – May 2024

Awards: Duncan Tenney Excellence Award, Transfer Achievement Scholarship

Relevant Courses: Computing Fundamentals, Data Structures and Algorithms, Web Development & Internet Programming, Software Engineering, Video Game Design Studio, Principles of Programming Languages

EXPERIENCE

Programming Tutor

Jan. 2024 – Present

Remote

- Assisted in clarifying fundamental Java concepts such as variables, data types, and control structures
- Collaborated with the student to reinforce understanding through practical coding exercises and projects
- Demonstrated patience and effective communication skills to ensure comprehension and retention of Java programming principles

Summer Intern

May 2022 – Aug. 2023

Pepsi-Cola of the Hudson Valley

Newburgh, NY

- Worked alongside integral members of the supply chain within the beverage industry
- Was responsible for customer service and satisfaction of various types of businesses regarding the quality and efficiency of the delivery process on a day to day business

PROJECTS

WeConnect | *MongoDB, Express, React.js, Node.js*

Jan. 2024 – Present

- Developed a full-stack messaging app with React as the frontend and Express for handling server-side functions
- Collaborated with a partner in an Agile environment, participating in weekly meetings and code reviews
- Designed a RESTful API providing ideal communication between the frontend and database
- Developed over 10 API endpoints to support various functionalities, including user authentication, messages retrieval, and friendship tracking

Mini Message Board | *MongoDB, Express, Node.js, Pug*

Dec. 2023

- Uses Model-View-Controller formatting for the backend components, allowing re-usability and modularity
- Implemented performance enhancements that results in 30% reduction in page load times
- Integrated MongoDB for efficient data storage and retrieval, ensuring scalability and performance
- Implemented Pug viewing template to dynamically render HTML content, resulting in 10% decrease in file size

E-Commerce App | *JavaScript, React.js, Tailwind CSS, FakeStore API*

Dec. 2023

- Uses FakeStore API that provides information on mock items and displays them throughout the website
- Includes responsive and multi-platform support to be viewed on any platform or device
- Uses Tailwind CSS for styling, yielding faster load times and a smooth user experience
- Utilized React Router for seamless navigation between different pages of the application, including product listings and checkout

Weather App | *JavaScript, Webpacks, Weather API, Font Awesome*

Oct. 2023

- Integrated the Weather API to fetch and display current weather data for specified locations
- Set up Webpack to bundle and optimize the project's assets, ensuring faster loading times
- Implemented error handling mechanisms to handle invalid inputs and API request failures
- Implemented features such as location-based weather updates, daily forecasts, and weather alerts

TECHNICAL SKILLS

Languages: JavaScript ES6+, HTML5, CSS3, Java, C, C++, C#, SQL

Frameworks/Libraries: React, Node.js, Express, JQuery, Webpacks, Jest, Tailwind CSS, Material-UI

Developer Tools: Git, GitHub, VS Code, Visual Studio, Notepad++, Linux, Unity, MongoDB, IntelliJ, Eclipse