

# Kristian Lewis

ReactJS Web Developer

[www.kristianlewis.com](http://www.kristianlewis.com)

## EDUCATION

**Binghamton University, Vestal NY — B.S. Computer Science**

August 2017 - May 2021

## PORTFOLIO PROJECTS

**Mock Operating System — HTML, CSS, Javascript, ReactJS, MaterialUI**

-A simulated operating system to showcase my projects hosted at [www.kristianlewis.com](http://www.kristianlewis.com).

-Each project is a program on the website, multiple programs can be run at the same time.

-Implements a filesystem, process management, and a windowing system with resizing and positioning. Each process has its own window.

-A desktop environment with the ability to change the desktop background to any image loaded into the app.

-Includes an image viewer, PDF reader, text editor, calculator and file manager. It also includes a Piano Synthesizer, and my Calorie Counter App.

**Calorie Counter App — HTML, CSS, Javascript, ReactJS, MaterialUI, ExpressJS, MySQL, AWS**

-A ReactJS web app with MaterialUI for counting daily caloric intake.

-Users can search a database for existing food and add new food to the database. They can add, remove, and update food in their meals for each day. They can also update user info. Daily totals displayed in a chart.

-User sign in, signup, and authentication using Bcrypt and JSON Web Tokens.

-Backend is a NodeJS server running ExpressJS which connects to a MySQL database.

-Frontend connects to the NodeJS server with a RESTful API.

-All hosted on AWS using EC2 and RDS.

-The food database is filled with 400,000 entries collected from the USDA FoodData Central database.

GitHub:

<https://github.com/KristianELewis>

Email:

[Kristianedwardlewis@gmail.com](mailto:Kristianedwardlewis@gmail.com)

## SKILLS

HTML

CSS

Javascript

ReactJS

NodeJS

SQL

MySQL

C++

AWS

## CERTIFICATIONS

**AWS Developer Associate -**  
February 27, 2023

**AWS Solutions Architect**  
**Associate -** August 29, 2022

**AWS Cloud Practitioner -**  
August 20, 2022

## VOLUNTEER WORK

**Jolly Rovers Trail Crew,**  
**NY — Crew Member**

May 2021 - PRESENT

The Jolly Rovers is a Hudson Valley based non-profit that creates sustainable access to iconic places. We build stone stairs in areas where the use of heavy machinery is impractical or impossible.