

Kristian Lewis

ReactJS Web Developer

www.kristianlewis.com

PORTFOLIO PROJECTS

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

- My personal portfolio website hosted at www.kristianlewis.com.
- A filesystem and process management is implemented. Multiple "programs" can be started and can load and save files. Users can load images and pdf files on their device into the app.
- There's a desktop environment with the ability to change the desktop background to any image loaded into the app.
- A windowing system with resizing and positioning is implemented.
- There are multiple programs to run. There is an image viewer, a PDF reader, a text editor, a calculator and a file manager. It also includes a basic Piano Synth, 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 sign in or signup. Passwords are stored in a hashed state using Bcrypt. JSON Web Tokens are used for authentication.
- Users choose a day from a date picker. Each day has four meals. Users can search a database for items to add to each meal. Users can also add new items to this database.
- Totals are displayed for each meal and for the daily total nutritional information. A graph is displayed along with the daily totals.
- The database is a MySQL database running on an AWS t3.micro.db RDS instance. The app is served using an ExpressJS server on an AWS t2.micro EC2 instance.
- The Database is filled with 400,000 entries collected from the USDA FoodData Central database.

EDUCATION

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

August 2017 - May 2021

GitHub:

<https://github.com/KristianELewis>

Email:

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.