Thomas Defilippis

3895 S Clarkson St. Englewood, CO 80113
thomasdefilippis@gmail.com • 360-597-8399

Web Developer

About Me

As a math major and teacher, I have always been passionate about problem solving and understanding the underlying structures behind mathematical principles. Ever since I wrote my first program to simulate a rock, paper, scissors game, I have become very driven to develop more complex and efficient programs. I am a very fast-learner, and I am always pushing myself to become a better developer. Below you will find projects that showcase my general background in developing software.

Languages

- HTML, CSS
- Javascript

Additional Skills and Libraries

- React JS
- Material-UI
- Node Express
- Git Bash and work-flow
- MongoDB

Projects

Book Finder App
(https://github.com/thomasdefilippis/Book-Finder-App)
A React app that fetches a json object from the google books public api, then it extracts that data and displays ten books in consistent cards. The user can query the api with author and title parameters to create a more precise search.

Calculator Web Extension App
(https://github.com/thomasdefilippis/React-JS-Calculator)
Built in React, this calculator app can be uploaded as an extension to the chrome web browser. The app allows for negative numbers and exponents, and it completely avoids undefined answers. To deal with the order of operations, the calculator splits the string into a numbers array and an operations array, then it loops through both arrays to perform operations with more weight.

Chore Bot Game
(https://github.com/thomasdefilippis/Chore-Bot-Game)
In this game, the user must select one of three doors while trying to avoid the chore bot who hides behind one of the doors. This application is built in raw javascript (no libraries), and it manipulates DOM elements to display different images onto the HTML, canvas element.

Grade Participation App
(https://github.com/thomasdefilippis/Student-Participation-Grader)
As a former teacher, I spent a lot of time grading the participation of my students. In order to cut down the grading time, I developed this simple react app that loops through each student and returns an average score for the 15 questions. This app cut down my grading time by 50%, so it was very helpful.

Education

Benedictine College

B.S in Mathematics and English - 2016

Online Courses (codecademy.com):

- ➔ Javascript
- ➔ jQuery
- ➔ SQL
- ➔ Node Express
- ➔ Create a Front-End App with React JS
- ➔ Node.js
- ➔ Node-SQlite
- ➔ Command Line

Professional Reference

Augustine Calvino *Software Engineer,* ***Source and Summit*** (412)-737-1482 acalvino4@gmail.com