

# ROBERT DAVIS

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[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

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## SKILLS

Python | SQL | Excel | Management

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## PROJECTS

### Spotify Song Recommender

[GitHub](#)

Python | Flask | SQL | HTML | CSS

Deployed website that takes a song and recommends other songs. ([Repository](#))

- Worked on a team of 4 to deploy a heroku hosted website in under 10 days..
- Using python built a gradient boosting tree model to analyze thousands of Spotify songs.
- Utilized Spotify API to recommend new songs.

### Image Filter WebApp

[GitHub](#)

Python | Flask | HTML

Published iOS app ([Repository](#))

- Implemented custom programming language via Python
- Allows user to write code to filter user-uploaded images

### iOS Budgeting App

[GitHub](#)

Swift

Published iOS app ([Repository](#))

- Learned Swift and UIKit to build and deploy an app to the iOS app store
- Worked solo and completed the project in 2 weeks

### Gravity Sim

[GitHub](#)

Javascript | HTML

Webpage that simulates solar system ([Repository](#))

- Using canvas elements, simulated the solar system.
  - Uses real physics to mathematically compute the orbits.
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## EXPERIENCE

Cracker Barrel Old Country Store, Springville, Utah

October 2017 - June 2022

### **Shift Lead**

- Managed a team of 30 employees. Tasks include coaching on technique and presentation
  - Interviewed and trained applicants up to company standards
  - Organized and analyzed food production, usage, and waste data daily in order to cut down on food cost.
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## EDUCATION

Harvard University

August 2023 - Now

### **Computer Science (CS50x)**

- CS50x is a 10 week computer science program where students begin by developing C applications such as an image filter or a DNA simulator, and then move on to learning to develop web applications using Flask and obviously HTML, Javascript, and CSS. For my final project, I am working on a web application through Flask that implements a custom micro programming language that I developed to allow users to write filters for images.

Lambda School

July 2021 - December 2021

### **Data Science**

- Lambda School is an accelerated program with an immersive (full-time, 40+ hours/week) hands-on curriculum with a focus on data engineering, computer science, and software engineering.
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