

EMPLOYMENT

Website Designer	Stronghold Corp	February 2022 – April 2022
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- Oversaw the creation and development of their website to attract 15% more viewers
- Designed custom graphics and improved the UX by 35% over the companywide average
- Increased customer retention by 18% with over 99% customer satisfaction scores

PROJECTS

Personal Website: www.itshdog.com (for additional information and projects)

Better Spotify (<https://itshdog-spotify.herokuapp.com/>)

- Developed a full-stack web application with React that allows users to use Spotify & core functions
- Integrated the Spotify Web-API using Axios and Express
- Hosted on Heroku for the server-side functionality, with encrypted client secret
- Utilized: React, NodeJS, Express, Axios, Bootstrap, HTML/CSS/JS

Capture Cam

- A Python application that can interpret license plate numbers from an image, and compares to a DB
- We also trained Google's Vertex AI to identify license plates with 95% confidence.
- Utilized: Python, OpenCV (Camera), PyTesseract (Image interpreter), SQLite (Database), Tkinter (GUI)
- Winner of the Best Data Visualization award at the University of Iowa Hackathon 2022

Screentime Tracking (<https://cs4510-group8.netlify.app/index.html>)

- A student-led research project completed over the course of a semester by 4 fellow students and me.
- Led the design of the UI/UX, completed the settings page, and helped with core functionality
- Utilized: HTML/CSS/Bootstrap for the frontend. Chart.js, Moment.js, and React.js for functionality.

Risk of Rain 2 Utility Mod

- Worked on a mod for the videogame Risk of Rain 2, running on the Unity engine
- Created functions in C# to hook onto in-game events like sending chat messages & item drops
- Learned how to use ILSpy to decompile .dll files, and read through source code for background info
- Joined the Risk of Rain 2 Modding Discord to meet like-minded people and learn from others

SKILLS

Python, C#, Java, Haskell, HTML/CSS/JS, React, Express, Axios
Adobe Creative Cloud (Photoshop, Illustrator, Premiere Pro, InDesign)

EDUCATION

Iowa City, Iowa	University of Iowa	August 2019 – Present
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- **Major:** Computer Science, B.S.
- **Organizations:** Lambda Chi Alpha fraternity, University of Iowa Dance Marathon, University of Iowa Hackathon, Google Student Developer Club general member