

SIERRA CHAPMAN

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LinkedIn: <https://www.linkedin.com/in/sierra-chapman> | GitHub: <https://github.com/SierraChapman>

Portfolio: <https://react-portfolio-sc.herokuapp.com>

SUMMARY

Full stack web developer with strong problem solving skills and attention to detail from a background in Physics. Flexible worker able to quickly learn new technologies and tools.

TECHNICAL SKILLS

Languages: JavaScript, HTML, CSS, Python, SQL

Frameworks & Libraries: React, jQuery, Express.js, Sequelize ORM, Mongoose ODM, Passport.js

Environments: Node.js, Heroku, GitHub Pages

Databases: MongoDB, MySQL

Other: problem solving, object-oriented programming, responsive design, data analysis, REST API

PROJECTS

Chore Hack | <https://github.com/SierraChapman/chore-hack> | <https://chore-hack.herokuapp.com>

- A full stack application for keeping track of chores within multi-user households
- Responsible for authentication, shared responsibility for writing API routes and Sequelize models
- MySQL, ExpressJS, ReactJS, NodeJS, HTML, CSS, JavaScript, SQL, Bootstrap, PassportJS, Sequelize ORM, Heroku, Git, GitHub

HIKR | <https://github.com/SierraChapman/hikr> | <https://hikr-journal.herokuapp.com/>

- A full stack application for finding and logging hike, which allows users to create an account, search for hikes by location, and save notes about their trip
- Responsible for setting up Express server and API routes and utilizing third-party APIs
- MySQL, ExpressJS, NodeJS, HTML, CSS, JavaScript, SQL, MaterializeCSS, PassportJS, Sequelize ORM, Heroku, Git, GitHub, MapBox API, Hiking Project API

L.I.F.E. | <https://github.com/SierraChapman/life> | <https://sierrachapman.github.io/life>

- Living Inside For Ever (L.I.F.E.) is intended to be a one stop shop for finding activities to do while following stay-at-home orders. It currently includes movies, video games, and recipes.
- Responsible for creating the recipe search functionality using Spoonacular recipe API
- HTML, CSS, JavaScript, jQuery, Axios, Materialize.css, WOW.js, Font Awesome, Rawg.io API, themoviedb API, omdb API, Spoonacular API

EXPERIENCE

Undergraduate Researcher

2018 – 2019

University of California, Davis, Physics Department

Davis, CA

Analyzed large datasets from cosmological simulations and visualized results using Python. Communicated results to people ranging from experts to those with no prior physics knowledge.

Key Accomplishments:

- Wrote senior thesis on my research project, earning highest honors for my degree
- Presented research at the Undergraduate Research Conference

Python Programmer 2019
University of California, Davis, Physics Department Davis, CA
Created Jupyter Notebook tutorials and homework solutions for use in undergraduate cosmology course.
Taught students to use Python libraries for data analysis.

Library Assistant 2016 – 2019
Mendocino County Library Ukiah, CA
Fixed errors in the library database, summarized data for budget and circulation reports, designed and formatted signs and labels. Learned technology for inventorying items, and trained staff and volunteers in its use. Worked with 2 other staff members to plan and run interactive science- and art-themed programs for children and teens.

Teaching Assistant 2015
Adelante Migrant Education Program Ukiah, CA
Assisted students with coursework and graded assignments in high school-level math and English classes. Cooperated with another teaching assistant to lead a physics study group for around 6 students. Designed and facilitated a cooperative program-wide art project involving approximately 100 students.

EDUCATION

Full-Stack Web Development Certificate: University of California, Berkeley Extension, Berkeley, CA (August 2020)

Bachelor of Science in Physics: University of California, Davis, Davis, CA (June 2019)