

**SKILLS** JavaScript, React, Redux, Ruby / Rails, HTML5, CSS3, Git, PostgreSQL, jQuery, MongoDB, Express, Node, D3

## PROJECTS

**mlbVisual** Javascript, D3, CSS3

[live](#) | [github](#)

Data visualization application for batting statistics in the MLB

- Interactive scatter plot gives user the ability to zoom, filter, compare, and select a single player within the display
- Employed the D3 library to parse, design, and display MLB batting statistics for over 700 players in the 2019 season with DOM manipulation
- Customized pie chart with appended team logo displaying individual batting statistics upon selecting data point within graph

**CampList** MongoDB, Express, Node, React / Redux

[live](#) | [github](#)

Campsite creation site utilizing Google Maps API and user content creation

- Incorporated React-Redux container and Redux selector patterns to architect highly scalable and uni-directional front-end state management.
- Leveraged Google Maps API with React / Redux lifecycles to create and display user created campsite locations
- Modeled RESTful architecture to implement comment sections for individual campsites and user profiles

**Scarpa** Ruby on Rails, AWS S3, React / Redux

[live](#) | [github](#)

Full stack inspired by Scarpa Climbing

- Implemented custom search feature using high level selector functions to pass query results from redux store to React containers as props without additional queries to the database
- Created custom SQL queries and reduced server load through the utilization of Active Record associations and JBuilder to extract data from multiple tables in a single query
- Connected the Rails back end to AWS S3 for media storage and organization while maintaining content security with AWS IAM.

## EDUCATION

AppAcademy - Software development course with focus on full stack web development Aug 2019 - Dec 2019

Chico State University - Bachelor of Science Cell / Molecular Biology

Dec 2017

## EXPERIENCE

**Medical Scribe**

UCSF Urology / Oncology

April 2018 - Aug 2019

- Operated EHR software to organize and transcribe results for patients' laboratory tests, operative reports, biopsies, medications and imaging studies
- Collaborated with a team with over 30 physicians, residents, and other medical professionals in documenting all diagnoses, treatment plans, prescriptions, and discharge and follow-up information for patients in the 3rd ranked Urology Department in the nation

**Lab Scientist**

Dr. Jonathan Day Neurophysiology Lab

Oct 2015 - Dec 2017

- Used various softwares and libraries, including R, to quantify experimental data and perform statistical analysis
- Collaborated with team members to design, prepare, and perform various studies of excitotoxicity in the hippocampus using neonatal mice models
- Updated and prepared experimental findings for scientific publication