

# Jennifer R. Pyle

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Portfolio Website: [jenpyle.github.io/portfolio-website](https://jenpyle.github.io/portfolio-website)

## EDUCATION:

### Bachelor of Science, Mechanical Engineering

Graduation: May 2020

### Minor in Computer Science

Colorado State University, Fort Collins CO

GPA: 3.4/4.0

### Full-Stack Software Development Certification

Expected completion: Sep 2021

## ENGINEERING/COMPUTER SKILLS:

- **Languages:** JavaScript (ES6), Python, Java C++, C#, SQL, NoSQL, HTML5, CSS, JSON
- **Frameworks:** React, React Native, Redux, Angular, Express, AWS Lambda, Google Cloud Platform, MongoDB, Pytorch, Postman, jQuery, Node.js, Heroku, Netlify, Create-React-App, Jest, Enzyme, Cucumber.js
- **Concepts:** Agile Development, Object Oriented Programming, Continuous Integration, Continuous Delivery, Test Driven Development, Unit/Integration/Acceptance/End-to-End Testing
- **Other:** Git, Github, Scrum, Zenhub, Code Climate, Travis CI, Parcel, Raspberry Pi, Axios, Accessibility
- **Relevant Coursework:** Software Engineering, Machine Learning, Operating Systems, Software Development with C++, Algorithms, Data Structures and their Applications, Statistics, Mechatronics(MECH), Machine Design(MECH)

## COMPUTER SCIENCE PROJECTS:

- **Mobile Chat App** - *users can text, share images, and send location*, Present
  - Developed Native Android application using React Native, Expo, and Google Firestore Database
- **Meet App** - *view upcoming events in specific cities*, June 2021
  - Developed a serverless, progressive web application built with React using a test-driven development technique and Google Calendar API to fetch upcoming events.
  - Showcased as a top student example
- **Full-Stack myFlix App** - *movie app where users access and save movie info*, April 2021
  - Single-page application, stack consists of MongoDB, Express, React, Redux, and Node.js
  - NoSQL Database built using MongoDB
  - RESTful API built with Node.js and Express, and tested with Postman
  - HTTP and JWT token-based user authentication. Client side auth is integrated with backend logic using Axios
  - State managed with Redux, Navigation between different views via client-side state routing
- **Cocktail Recipe Finder** - *browse through drink recipes using various filters*, Feb 2021
  - Built a JavaScript app with HTML, CSS, and JavaScript, which communicates with external API.
- **Full-stack Trip Planner App** - *select destinations, create, optimize, save, and import trip itineraries*, 2020
  - Team project in collaboration with 3 others, using Agile methodologies, Github, Scrum, TDD, Inspections, Configuration Management, and Continuous Integration
  - Created a frontend with React and Material UI, and a RESTful API through a backend written in Java and SQL
- **Machine Learning Digit Classification** - *report analyzing classification accuracy of digit data sets*, 2020
  - Applied nonlinear logistic regression using neural networks to train a classifier for a Street View House Number data set VS hand-drawn digit data sets
- **Embedded/Iot Sound Analysis** - *sing into a mic and receive a visual of your pitch & frequency waves*, 2019
  - Programmed a Raspberry Pi based system which communicates with Telegram to record, analyze, and graph frequency of sound

## PROFESSIONAL EXPERIENCE:

### Full-Stack Application Development Intern

March 2021- Present

Footprint App, Inc - Remote

- Translated existing desktop app into IOS app using mobile view wrapper and deployed to Apple Store
- Assisting in development of Footprint App version 2 using React, GraphQL, and TypeScript