Jennifer R. Pyle

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Portfolio Website: jenpyle.github.io/portfolio-website

EDUCATION:

Bachelor of Science, Mechanical Engineering
Minor in Computer Science
Colorado State University, Fort Collins CO
Full-Stack Software Development Certification

Graduation: May 2020

GPA: 3.4/4.0
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
Footprint App, Inc - Remote

March 2021- Present

- 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