Nathaniel J. Ryan

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Full Stack JavaScript Developer

Personal Objective

To find entry level development employment or internships with a progressive company, in order to gain valuable skills and experience for career and personal growth.

Programming Experience

Drone Controller

React.JS, Node.JS

An application developed with a React.JS frontend, and Node.js backend, that allows control of a DJI Tello drone with a browser. I was sole designer on this project.

- Read documentation included with Drone to resolve communications from Node.JS to drone's I.P address & Node.JS
- Resolve Drone state (Pitch, Roll, Yaw, Battery, etc.) which streams to backend, and is formatted to render 3D animation in browser along with battery status, height, and more
- An independent project I prepared as a full presentation for University of Oregon's Demo Day

Emit Mobile App

React Native, Firebase

A mobile application developed with React Native that allows a user to enter chatrooms based upon a sport topic. My role in this project was Data Storage, User Authentication, Test Environment Specialist, User Experience & Project Manager.

- Lead a group of 5, delegate roles in the project, determine deadlines, help contributors with general questions
- Study & properly execute a foreign framework in 3 weeks
- Learn how to store data within the browser & create authentication procedures

Seller2Cellar

NodeJS, MySQL, Handlebars

A Social Media/eCommerce hybrid for users to buy and sell wine, update other users with a "status" for wines added to their collection, vinyards visited, etc. My role in this project was Frontend, User Experience.

- Work with bootstrap framework to create a social themed User Experience
- Motivate other group members and work with them to assign tasks according to their skillset
- Create a mostly fully functional application in a short 2 week span

Key Skills

HTML5	NodeJS
CSS3	Express
JavaScript	MongoDB
ReactJS	MySQL
React Native	Git

Education

University of Oregon

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