Nathaniel J. Ryan

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Full Stack JavaScript Developer

Programming Experience

React/Node.js Developer

React, Node.js, Express

Sole Designer, application developed with React frontend, & Node.js backend, that allows control of a DJI Tello drone via the browser.

- Created communications between drone's I.P address & Node.js via dgram node package using UDP protocol
- Achieved 3D rendering by formatting a string streamed from drone called "Drone State", the string is formatted & sent to the browser to display Pitch, Yaw, Roll, etc.
- An independent project prepared as a presentation for University of Oregon's Demo Day

React Native Developer

React Native, Firebase

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

- Led a group of 5 application developers, delegated roles in the project, determined deadlines, helped contributors with general questions
- Studied & properly executed a foreign framework in 3 weeks
- Demonstration was prepared as a presentation for University of Oregon's Demo Day

Frontend/User Experience Developer

Node.js, MySQL, Handlebars, Express

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

- Worked with bootstrap framework to create a social media themed User Experience
- Motivated other group members & worked with them to assign tasks according to their skillset
- Created a mostly fully functional application within a 2 week span

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Key Skills

HTML5	JavaScript	React Native	Express	MySQL
CSS3	React	Node.js	MongoDB	Git

Education

University of Oregon

Full Stack JavaScript Development