

# NATHANIEL J RYAN

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Experienced and self-driven developer, able to efficiently integrate and provide support in collaborative work environments. Enthusiastic learner with exceptional critical thinking skills to provide new and unique solutions following current industry best practice. Able to communicate effectively and professionally with clients, teams, and shareholders alike.

## Full Stack Developer Profile

### DJI Tello

#### JavaScript Drone Controller:

Personal project, application with React.js frontend & Node.js backend that gives User Control of a DJI Tello brand drone via the browser. [Repository Link](#)

- Created communications between drone's I.P address, Node.js server, & React.js User Experience.
- Achieved 3D rendering (pitch, yaw, roll), battery state, drone responses by formatting a string of data streamed from drone.

### Emit

#### React Native Mobile App:

Project roles included 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. [Repository Link](#)

- 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.

### Cellar2Seller

#### Social Media and Ecommerce:

Project roles included 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, vineyards visited, etc. [Repository Link](#)

- Motivated other group members & collaborated with them to assign tasks according to their skillset.
- Created a functional application within a 2-week span.

## Core Technologies

Environments:	2 years	Windows 95/XP/7/10, Linux (Ubuntu LTS), UNIX
Applications:	1 year	VS Code, MongoDB Compass, MySQL Workbench, Git Bash, Postman, MS Office (Word, Excel, Outlook, Powerpoint), McAfee, Windows Defender, Express VPN, Zoom, Slack, MSI Afterburner, Command Prompt
Tools:	1 year	HTML5, CSS3, Javascript (ES6), jQuery, Bootstrap, Handlebars, React.js, MySQL, MongoDB, Node.js, Express.js, GraphQL Yoga, Prisma, Application Security and Session Store/User, Local Storage, Browser Cookies

## EDUCATIONAL BACKGROUND

**Professional Certificate: Full Stack Web Development – 2019**  
University of Oregon, Portland, OR

**Advanced React & GraphQL – Master Package – 2020**  
BosType Inc.

**Modern Javascript: ES6 Basics – 2020**  
Coursera

**Responsive Website Basics – 2020**  
University of London

## EXPERIENCE HIGHLIGHTS

2u/Trilogy Education, Remote, US

**PRIMARY JAVASCRIPT TEACHING ASSISTANT**, 04/2020 – Present

*Technologies: HTML, CSS, JavaScript, jQuery, Bootstrap, Handlebars, React.js, MySQL, MongoDB, Node.js, and Express. Application Security and Session Storage/User, Local storage, Browser Cookies, Authentication, OAuth and Passport.*

Maintain professional relationships with students and instructional staff at UC Berkeley for full-stack web development cohort. Provide feedback to curriculum development and technical support teams to improve classroom experience for students and staff.

- Provide technical support and guidance and grade assignments for 40+ students.
- Promoted to Primary Teaching Assistant within 2 months of initial hire with excellent work reviews.

**JAVASCRIPT LEARNING ASSISTANT**, 03/2020 – Present

Utilize Beta Slack support application (Trilobot) to provide written technical and conceptual responses to student inquiries. Assist students over video call to ensure ticket resolution. Provide feedback to technical development teams on application modification requests based on user experience.

- Collaborate with team members remotely to provide web development support to 5,000+ university students across the United States, UK, and Australia.

**SUBSTITUTE TEACHING ASSISTANT**, 02/2020 – Present

Substitute Teaching Assistant at the University of Oregon for full stack web development cohorts.

Advance Auto Parts, Portland, OR

**RETAIL PARTS PROFESSIONAL**, 11/2016 – Present

*Technologies: Vehicle diagnostics, Windows 7, Electronic Part Catalog, Point of Sale*

- Exceptionally familiar in automotive mechanics as to accurately answer questions and satisfy customer demands.
- Aided customers on the sales floor, answer questions, locate automotive products, stocking shelves, taking inventory, and handled returns.