

# Nathaniel Ryan

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## Education

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### **University of Oregon**

*Full-Stack Web Development Bootcamp*

Apr. - Sept. 2019

*Portland, Oregon*

## Experience

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### **Full-Stack Instructional Member**

*2U/Trilogy Education Services*

Feb. 2020 - Present

*Remote*

#### **Teaching Assistant** / Dec. 2020 – Present

*University of California, Berkeley*

- Provide support and guidance to students attending University of California Full-Stack Web Development program
- Reinforce lesson material presented by the lead instructor by helping students with questions and reviewing material one-on-one or in a small group
- Lead class reviews, discussions, and whiteboarding challenges to ensure students gain employer competitive skills

#### **Learning Assistant** / Mar. 2020 – Present

*International Support*

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

#### **Teaching Assistant** / Mar. – Nov. 2020

*University of California, Berkeley*

- Maintained 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
- Completed course 11/01/2020 with exceptional reviews from staff and students

## Projects

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### **NOT SUPREME** / *React, Apollo Client, GraphQL Yoga, Prisma ORM & DB*

Nov. 2020 – Present

- Developing a Full-Stack online clothing store complete with real credit checkout
- Users can search, sell, add to cart and checkout their favorite items
- Application features many server-side functionalities such as JSON Web Tokens, permissions, sending emails, uploading images, and charging credit cards

### **DJI Drone Controller** / *React, Node, Socket.io*

Aug. – Sept. 2019

- Application creates communication between the drones I.P Address, Node Server, and React user interface
- Achieved 3D Rendering of drone position (pitch, yaw, roll) using transform in styled-components

## Technical Skills

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**Frontend:** HTML, CSS, JavaScript, React, Redux, Apollo Client, Next.js, React Native, Handlebars, Browser Cookies, JSON Web Tokens, Bootstrap, Materialize, Ajax, jQuery, Styled-Components, SCSS

**Middleware:** Socket.io, Express, Client Store, Cookie Parser, GraphQL Yoga

**Backend:** GraphQL, Mongoose Sequelize, Prisma ORM, BCrypt, Passport, Express, Node, Stripe, Nodemailer, Jest, Enzyme, Chai, Mocha

**Database:** MongoDB, MySQL, Google Firebase, PrismaDB

**Tools:** Git, VS Code, Heroku, GitHub Pages, Chrome Developer Tools, React Developer Tools