

# Nathan Difiori

Newport Beach, California || (626)-244-5152 || [ndifiori@gmail.com](mailto:ndifiori@gmail.com)

## Education

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**University of California, Davis**  
Bachelor of Science in Neurobiology

**University of California, Irvine**  
Full Stack Web Development Bootcamp

## Project Experience

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### MERN Stack Single-Page Application

*Application Name: To-DONE*

- Developed an interactive MERN-stack single page application with secure GraphQL API for user authentication utilizing JWT & MongoDB to securely store data.
- Designed a comprehensive UI/UX platform to incorporate tailored user settings based on client requirements.
- Utilized React library to implement efficient client-side rendering and caching of data while authenticating network requests with Express.js & Node.js backend resources.

### Full Stack Project

*Application Name: Bookhub*

- Created RESTful API within MVC paradigm structure allowing authenticated managers access to update and delete books from database.
- Developed interactive full stack project integrating Node.js, Express.js, MySQL & Sequelize ORM to enable users to search database of books and customize their library experience with multiple genres & categories.
- Utilized Express-session & cookies authentication protocols to protect API keys' security while ensuring user accessibility and scalability of growth.

### Front End Project

*Application Name: Board & Booze*

- Harnessed TheCocktailDB API and Board Game Atlas API to develop interactive application that generates a random drink and board game.
- Utilized client-side storage to store persistent data from user selection and dynamically generate customizations.
- Integrated Javascripts for accepting and responding to user inputs.

## Work Experience

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### Project Manager

*J.W. McClenahan Co.*

- Spearheaded the design & estimation of large-scale commercial plumbing projects with up to \$40M in infrastructure costs.
- Executed engineering deduction strategies averaging \$250K per project, creating efficiencies and delivering projects on scheduled deadlines.
- Collaborated with senior management to facilitate purposeful sub-contractor communications, driving project completion in 10% less time than anticipated.

## Leadership Experience

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### NCAA Division 1 Soccer Athlete

- Earned recognition on the Big West Commissioner's Honor Roll.
- Advised and coached younger teammates, helping to develop their skills and fostering their growth as athletes.

### Eagle Scout

- Mentored 50 younger scouts on developing ethical skills and core values, empowering over 90% to set personal goals for service to others.
- Created & led 5 community volunteer projects that raised over \$6,000 in funds to improve critical local resources.