Alvin Balmeo

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github.com/abalmeo
abalmeo.github.io/portfolio

Education

Certification
Full Stack Web Development
UCSD | 2018

Bachelor of Arts
Integrative BIology
UC Berkeley | 2016

Expertise

Fullstack Web Development
Project Management
Data Analysis

Technical Skills

JavaScript	HTML5	CSS3
React.js	Redux	Node.js
Express.js	MongoDb	MySQL
Mocha	Chai	Sinon

Volunteer

Pilipino Assoc. For Health Careers
Medical Mission | 2016
Secretary | 2015
External Affairs Committee | 2014
Pump Committee | 2013

Work Experience

Backend Software Engineer
Kitu Systems | April 2019 - Current
- Utilizing black box testing to debug and develop software features that support California's 2030.5 energy grid conformance
- Implementing Microservice features with RESTful APIs
- Developing and increasing unit and integration test coverage using BDD/TDD frameworks: Mocha, Chai, Jest, and Sinon
- Improving efficiency and readability of legacy code through refactoring, optimization, and documentation
- Conceptualized and implemented a JSON to XML schema validator for HTTP requests that was used in 20+ schema files

Assistant Study Director
Crown Bioscience | July 2017 - April 2019
- Directed teams of 2 to 4 research associates for the execution of pre-clinical oncology studies
- Created tools and operating procedures that resulted in improved workflow efficiency
- Introduced shipping and documentation generator that led to increased productivity and reduction in errors

Projects

Developer Network
social-network-platform.herokuapp.com | github.com/abalmeo/socialnetwork
- Professional network to connect developers
- Developed with React, Redux, MongoDB, Express, and Node
- Utilized functional components with React hooks

Hobbyist
mysterious-meadow-91336.herokuapp.com | github.com/abalmeo/hobbyist
- Social media platform allowing users to connect and share skills
- Developed with MongoDB, Express, React, and Node
- Implemented RESTful API endpoints to retrieve and render user data
- Utilized Passport with JSON web tokens for user authentication
- Designed Edit Profile and Search components

BeerMappSD
glacial-cove-37095.herokuapp.com | github.com/abalmeo/beerapp
- Web Application allowing users to find and favorite San Diego Breweries
- Created with Javascript, Handlebars.js, MySQL, and Node
- Configured bCrypt and Passport for user authentication
- Modeled MySQL database
- Integrated Semantic templating with Handlebars.js to display breweries favorited

NBA Giphy
https://abalmeo.github.io/nba | github.com/abalmeo/nba
Interactive search tool displays NBA gifs with Giphy API
- Built with HTML, CSS, and Javascript
- Designed front-end to display first ten gifs from search
- Enabled pause and play feature for each gif