

Alvin Balmeo

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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
Scrum Methodology
Data Analysis

Technical Skills

JavaScript	HTML	CSS
React.js	Node.js	Express.js
MongoDB	MySQL	Git
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 Intern

Kitu Systems | April 2019 - Current

- Utilizing Quality Logic black box testing to debug and develop software features that support California's 2030.5 energy grid conformance
- Collaborating with team lead to implement reusable modules
- Developing and increasing unit and integration test coverage using BDD/TDD frameworks: Mocha, Chai, and Sinon
- Improving efficiency and readability of legacy code through refactoring, optimization, and documentation

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
- Spearheaded the development of the immuno-oncology Muprime platform
- Introduced shipping and documentation generator that led to increased productivity and reduction in errors

Research Associate I

Crown Bioscience | October 2016 - July 2017

- Successfully performed 10 pharmacology studies testing the efficacy and tolerability of compounds in mice
- Introduced a scheduling template for the technician team that resulted in improved task management

Projects

Hobbyist

Social media platform allowing users to connect and share skill sets

- Developed with React, MongoDB, 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

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

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