# Alvin Balmeo

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## Education

**University of California, San Diego**
The Coding Bootcamp - Full Stack Web Development                    July 2018

**University of California, Berkeley**
B.A. Integrative Biology                    August 2016
- *Leadership:* Secretary, Pilipino Association for Health Careers

## Technical Skills

Experience
- Ajax, Bash, Bootstrap, CSS, Express.js, Github, Handlebars, Javascript, HTML 5, Node.js, Ajax, RESTful API's, MySQL, MongoDB, MVC Framework, React.js, Postman

Exposure
- Firebase, Testing with Mocha and Chai, Scraping, Unsplash API

## Projects

**Hobbyist**
*Social media page for users to learn and share skills to other individuals*
- Interconnected front-end and back-end routes to post data to MongoDB
- Conceptualized user profile components to seamlessly display and modify profile information
- Contributed to front-end design by modularizing profile components

**beerMappSD**
*Web application allowing users to search San Diego breweries and query beers from RateBeer API*
- Utilized bCrypt and Passport for user authentication and persistent log-in sessions
- Modeled MySQL database, enabling rapid access to personalized user data
- Designed Express.js backend to save and receive user data

## Professional Experience

**Crown Bioscience**
Assistant Study Director                    July 2017 - Present
- Directing the development of the MuPrime platform to increase Crown Bioscience San Diego research capabilities
- Supporting Study Directors in guiding and monitoring multiple teams of 20-30 projects to completion
- Managing teams of 2 to 4 people for the execution of client studies netting 100,000-200,000 in revenue per month
- Developed excel tools to reduce shipping errors and increase efficiency and accuracy of documentation

Research Associate I                    November 2016 – July 2017
- Performed therapeutic preclinical testing on immunocompromised mice injected with patient-derived xenograft cancer models
- Assigned over 400-500 immunocompromised mice with 8-10 different projects
- Provided detail-oriented data in formulation, dosing, and monitoring of studies

Research Associate Intern                    October 2016 – November 2016
- Implemented a system of organizing chemical reagents
- Conducted 1-2 studies testing the efficacy and tolerability of pharmacology compounds in immunocompromised mice

**Bentley Lab: Reproductive Neuroendocrinology**
Research Assistant | UC Berkeley                    November 2015 – August 2016
- Cryosectioned and stained 50+ mouse ovaries for analysis
- Quantified Corpus Luteum number and size from over 400 ovary sections
- Performed Immunohistochemistry for Serotonin and GnIH in Zebra Finch brain