

## Alexander Jess Sigala

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### Education

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#### CSU Monterey Bay- Seaside CA

*Bachelor of Science; Molecular Biology*

(May 2015)

#### UC Berkeley- Berkeley CA

*Full-Stack Web-Development Bootcamp Graduate*

(August 2019)

### Skills:

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#### Programming

JavaScript, React, Node, JQuery, RegEx  
CSS, Bootstrap, & Materialize  
SQL & MongoDB

#### Interpersonal

Motivate & Direct Diverse Teams  
Result oriented decision-making  
Public Speaking

#### Science & Engineering

Molecular Biology Concepts  
Tear-Down/Root-Cause Analysis  
Proposal/Scientific Writing

### Experience:

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#### Personal Project- UC Berkeley

(2019)

*Manager/Developer: Full-Stack MERN CRUD Application "Stats IQ v2"*

- Created mongo database capturing thousands of detailed player stats, using cheerio, regex, and node.
- Designed API routes returning dozens of unique customized stats using React, and ajax calls.
- Coded CRUD logic to maintain dashboard page of tracked players by using React to make AJAX calls.

#### Personal Project- UC Berkeley

(2019)

*Manager/Developer - Full-Stack MVC CRUD Application "Stats IQ"*

- Dynamically created cards containing relevant player info by position using jQuery
- Developed SQL database containing for 2018 NBA player/team info by using Axios, Node.
- Coded CRUD logic to maintain a "my dashboard" of tracked players by using jQuery to make AJAX calls.

#### Personal Project- UC Berkeley

(2019)

*Manager/Developer - Front-End Application "Newsly"*

- Created JS logic handling any user queries, searching a dozen news/social media sources for related articles, by using jQuery, and ajax get requests from a single comprehensive news API.
- Dynamically created responsive card elements, uniformly displaying using jQuery and Bootstrap.
- Redesigned CSS, removing excess clicks and homogenizing page design using bootstrap and HTML.
- Stored previous user searches/clicks making finding articles again simple by utilizing local storage.

#### Intuitive Surgical- Sunnyvale CA,

(2018-Present)

*Manufacturing Lead*

- Mentored/trained several new technicians on GMP, 5S, and other manufacturing standards.
- Created solutions to ergonomic and safety concerns on manufacturing line.

#### Santa Clara County Agriculture Department- San Jose, CA

(2017-2018)

*Agricultural Biologist*

- Enforced pesticide application laws, exceeding inspection target of 6% of County-Wide applications
- Enforced AG shipping laws by recertifying dog team and assisting inspections in impacted districts.
- Wrote policy recommendations for AG land preservation by interviewing local farmers/ Ag communities

#### Tesla Motors-Fremont, CA

(2014-2017)

*Engineering Technician*

- Removed bottlenecks in production, increasing output six-fold, by redesigning rework production line.
- Facilitated new product transition from beta to market by training/managing 10 associate pilot group.