

# Michael LaRocca

I am a physically active, science and tech nerd with 4 years of combined experience in the Nanotech and Biotech industries. Databases and SQL really peaked my interest in Full Stack Web Development and I decided to fully immerse myself, joining a coding bootcamp in downtown SD. I've really taken to programming and want to become an expert Rails developer and Software Engineer. Check out my portfolio! <https://michaellarocca90.github.io>

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## EXPERIENCE

### Biospyder, Carlsbad, CA

#### *Database/Manufacturing Consultant*

January 2017 - Present

- Trained employees in both Database and Manufacturing Operations.
- Scaled Database size by 100%.
- Initiated development of two flagship products.

#### *Database Design/Oligonucleotide Manager*

June 2015 - December 2016

- Designed a MySQL oligonucleotide inventory database for product development, record tracking, and custom requests.
  - Self-taught using Stanford Lagunita DB Series.
- Developed automated (Biomek Fx) oligonucleotide pooling and PCR plate manufacturing processes with QC checks.
- Delivered products for EPA grant deadlines.
- Completed development of three flagship products and numerous custom pools.

### Herzan, Laguna Hills, CA

#### *Product Manager*

June 2014 - May 2015

- Reduced costs by 39.4% and increased margins by 22.3%.
- Managed a Hardware developer and C#/.NET Software Developer.
- Completed a hardware redesign, logo rebranding, and case design on a small budget.
- Performed Site Surveys for Electron Microscope and MRI installations.
- Wrote the User Manual.

## SKILLS

**Languages** - Ruby, JavaScript/ES6, HTML5, CSS

**Frameworks/Libraries** - Rails, jQuery, React.js, Bootstrap, Flexbox

**Database** - SQL, MySQL(2 years), Postgres

**Testing/Tools** - Rspec, Jest/Enzyme, Atom, Git

**Dev Strategies** - OOP, BDD, TDD, MVC, REST, Pair Programming

**Software** - MySQL Workbench, pgAdmin, MS Office

## LANGUAGES

3 years of Spanish

## AWARDS

**Golden Eagle** - 2012  
Men's Track and Field recipient for academic and athletic success.

**Captain** - UCSB T&F 2012  
Big-West Team Conference Champions

**Captain** - DHHS T&F 2007, 2008  
2008 Team Championship All-County

## ***Data Analyst and Tester***

March 2014 - June 2014

- Analyzed vibration, acoustic, and electromagnetic data to determine product performance.
- Standardized templates for logging test data and reporting results to increase reporting efficiency and quality.

## **Self-Employed, San Diego, CA**

### ***Personal Trainer/Massage Therapist***

May 2016 - Present

- Managed a 25+ client network based at Nakoa Fitness and Physical Therapy.
- Exercise programming and Manual Therapy techniques designed to target client goals including weight loss, pain management, and athletic performance.

## **EDUCATION**

### **Learn Academy, San Diego — *Full Stack Web Development***

January 2018 - Expected May 2018

- Primarily developing apps with Rails on the back end as an API and React.js consuming the data on the front end.

### **Grow with Google Front-End Developer Scholarship**

January 2018 - Expected April 2018

- JavaScript, HTML, CSS, jQuery

### **UCSB, Santa Barbara — *B.S. Biochemistry and Molecular Biology***

September 2008 - December 2012

- GPA: 3.3/4.0