

# Kamyar A. Mivehchi

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## SUMMARY

R&D Analytical Chemist with experience in product development and process improvement. Seeking a web development position in need of an experienced problem solver with great communication skills. Possesses a B.S. in Chemistry and is adaptable, collaborative and motivated to learn. Earning a certificate in Full Stack Web development from the University of California, Irvine to support this career transition.

## PROFESSIONAL EXPERIENCE

### R&D Analytical Chemist

Dec. 2020 – Present

*Shepard Bros. Inc | La Habra, CA*

- Developed 2 products to resolve cleaning and sanitation issues for multiple clients.
- Reduced manufacturing cost of a product by \$75,000 by reformulation and concentration.
- Facilitated the upgrade from bench work phase, pilot phase, to production phases.
- Performed analytical analysis using ICP, FTIR and spectrophotometry to analyze client samples.

### Civil Engineering Intern

Aug. 2019 – Jan. 2020

*BDP Envirotech | Rialto, CA*

- Assisted Project Manager (PM) and lead engineer for the BDP Water Treatment Pilot Project.
- Identified and resolved daily construction and safety hazard issues on the job site.
- Compiled daily reports and documented work permits to ensure a safe work environment.

### Operations Management Intern

Jun. 2019 – Sep. 2019

*GreenTech California | Irvine, CA*

- Implemented Agile Project Management strategies to manage and train a six (6) person team.
- Coordinated a strategy to apply for EPA grants to fund Irvine Ranch Nanobubble Pilot Project.
- Collaborated with other team leaders to facilitate the design of small-scale prototypes.

### Undergraduate Researcher

Dec. 2017– May 2019

*Bartels Research Lab | Riverside, CA*

- Examined electrochemical properties of semiconductors, focused on dichalcogenides growth.
- Designed experimental procedures, modified design to grow stable, pure sheets of MoS<sub>2</sub>.
- Analyzed growth samples using IR and Raman Spectroscopy.

## PROJECT EXPERIENCE

### Workout Wizard | [github.com/runaariga/project-1](https://github.com/runaariga/project-1) | [runaariga.github.io/project-1/](https://runaariga.github.io/project-1/)

Dynamic web application that allows a user to choose a muscle group from a human body diagram and see a list of exercises that target the desired muscle group. Utilizes API's to present users with exercises directions and 5 instructional video links.

Responsible for UI/UX characteristics of the deployed application. Implemented the human body diagram to enhance user experience. This features bridge the gap between the medically defined muscle names given by our API and muscle names an average user would be familiar with

## SKILLS

JavaScript | HTML | CSS | MYSQL | API | ICP-AES | GC-MS | HPLC | NMR | FTIR/RAMAN  
Method Development | AutoCAD | Photoshop | Illustrator | Microsoft Office/365 Suite

## EDUCATION

**Chemistry, Bachelor of Science** | *University of California, Riverside (UCR)*

Dec. 2020

**Certificate in Full Stack Web Development** | *University of California, Irvine*

Graduation Date: Mar. 2022

JavaScript, HTML, CSS, MySQL, API, Data Structures