

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 *Shepard Bros. Inc , La Habra, CA* **Dec. 2020 – Present**

- 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 *BDP Envirotech , Rialto, CA* **Aug. 2019 – Jan. 2020**

- 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 *GreenTech California, Irvine, CA* **Jun. 2019 – Sep. 2019**

- 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 *Bartels Research Lab, Riverside, CA* **Dec. 2017– May 2019**

- Examined electrochemical properties of semiconductors, focused on dichalcogenides growth.
- Designed experimental procedures, modified design to grow stable, pure sheets of MoS₂.
- Analyzed growth samples using IR and Raman Spectroscopy.

PROJECT EXPERIENCE

Typing Test | github.com/Kam-Mivehchi/TypeScripts | typescripts-btc.herokuapp.com/

Full-stack web application utilizing Javascript, Node.js, Express, Sequelize, CSS and Handlebars. Type{Scripts} is a typing game that offers developers a platform to test typing speed in the language of their choice. Currently supports Typescript, Javascript, HTML, CSS and English game modes.

Spearheaded front-end design by formatting the layout, implementing virtual keyboard, and styling with CSS. Also responsible for home page and login API routing to connect front-end to back-end. Collaborated with a team via zoom.

Workout Wizard | github.com/Kam-Mivehchi/project-1 | kam-mivehchi.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 3rd party API to present users with exercises directions and 5 instructional video links.

Responsible for front-end components of the deployed application. Implemented the human body diagram to enhance user experience which bridges the gap between the medically defined muscle names given by our API and muscle names an average user would be familiar with.

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, React.js, MySQL, MongoDB, Node.js, Express, API

SKILLS

JavaScript HTML CSS MYSQL API React.js MongoDB OOP Express Node.js FTIR/RAMAN
Method Development AutoCAD Photoshop Illustrator Microsoft Office/365 Suite