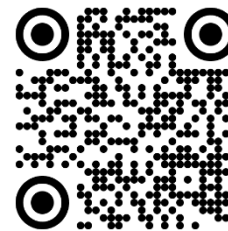


# Trent Koga

Emeryville, CA | 661-513-6530 | trentkoga@gmail.com



## EDUCATION

### California State University

*B.S. in Chemistry*

*B.S. in Biochemistry*

Long Beach, CA

*Graduated*

*Graduated*

## PROFESSIONAL EXPERIENCE

### Shimadzu Scientific Instruments

*Technical Support Scientist*

Pleasanton, CA

*August 2023 -- Current*

- Provide technical support across the region, assisting with product demonstrations and sales efforts during pre- and post-sales activities for HPLC, TOC, and UV-VIS systems.
- Conduct successful installations of analytical instruments at customer sites, ensuring proper setup, functionality, and customer satisfaction.
- Troubleshoot and resolve complex issues related to HPLC method development, TOC system calibration, UV-VIS analysis, and IC-MS optimization, applying strong problem-solving and analytical skills.
- Develop and optimize analytical methods both at customer sites and in the main office to support application needs and improve instrument performance.

### Air Protein

*Analytical Chemist*

Pleasanton, CA

*August 2022 -- August 2023*

- Performed nucleic acid phenol extraction analysis on various samples, utilizing various purification techniques to isolate and extract high-quality DNA and RNA.
- Conducted routine analyses on various food samples, utilizing analytical chemistry techniques to ensure compliance with industry regulations and standards.
- Streamlined workflow for the analytical department by developing and deploying a custom web application using Google Apps Script and other front-end frameworks.
- Developed and presented database management system models using historical data, resulting in improved data accuracy and more efficient data retrieval processes.

### Merck

*QC Analytical Chemist*

Carlsbad, CA

*June 2021 -- August 2022*

- Conducted in-depth analysis of inorganic solutions, ensuring compliance with SOPs and regulatory standards for optimal product quality ISO 9001.
- Operated and maintained ICP-MS and IC while resolving issues promptly for accurate analysis and timely project completion.
- Automated workflows using VBA code, resulting in a substantial increase in productivity.

### CSULB

*Research Assistant*

Long Beach, CA

*July 2018 -- March 2020*

- Characterized organic products using a variety of instrumentation, including NMR, GC-MS, TLC, UV-VIS, and IR, to ensure product quality and consistency.
- Maintained a detailed laboratory notebook to ensure accurate and thorough record-keeping and collaborated effectively across various teams to achieve project goals.
- Implemented catalyst synthesis tests from literature using microwave technology, resulting in improved efficiency and faster reaction times.

## SKILLS & COURSEWORK

**Skills:** Microsoft Office Suite | Excel | VBA | Python | HTML5 | CSS | Google Apps Scripts | LIS/LIMS | Data Analysis | Organizational Skills | Mass Spectrometry | Troubleshooting | Communication | Teamwork | Detail-orientated | Organization | ISO 9001 | OSHA | ICP-MS | IC | HPLC | LC-MS | IR | UV-VIS | TOC |