

# Ali Sarkeshik

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San Diego, CA [Publications](#)

## Summary

Solutions-driven Full Stack Developer/Software Engineer who uses ingenuity and creativity to build fluid and functional web applications. My previous experience includes method development in Chemistry and Instrumentation (hardware and software troubleshooting) in a resale and OEM environment.

**Technical Skills:** JavaScript, jQuery, HTML, CSS, Node.js, React.js, Express.js, Handlebars, Database Theory, MySQL, MongoDB, Bootstrap, AJAX, Git, RESTful API's, JSON

Looking to learn: Java, Ruby on Rails, Python, C#, C++, Jenkins, Kubernetes, .NET, Angular, Vue.js

## Experience

UC San Diego Extension  
Full Stack Developer  
February 2019 – August 2019

**GitHub:** <https://github.com/AliSarkeshik>

**Projects:** [AliSarkeshik.com](http://AliSarkeshik.com)

- **NBA Clicky Game (React.js):** The user has 20 player cards to choose from. Clicking on a card adds 1 point to their total score. If the same card is clicked twice the game ends.
- **JavaScript Trivia Game:** The user has 3 minutes to answer all the questions. At the end their score is computed and printed to the screen.
- **GifTastic (using AJAX):** Clicking a button will display a GIF onto the screen. The user can then play and pause the GIFs when clicking on the GIF. Customize your GIFs by typing your request into the text field and clicking "Submit."

## Group Projects

- **Travel Guide:** This group project combines Javascript, AJAX, and APIs. The user enters their destination city and from there the app outputs Hotel information, points of interest, fun events, and weather.
- **Pub Crawl:** Our group project will help you match with a brewery that you probably have never heard of, but you will definitely love. Technologies Used: Bootstrap, Express, JS/JQuery, Heroku, Node, and Handlebars.
- **TripTab:** TripTab is an application that helps users track shared travel expenses. Users can keep track of money they owe others and others owe them. TripTab is designed for use on mobile phones to make logging expenses easy on-the-go.

PerkinElmer, Inc.  
Customer Support Engineer  
June 2018 - December 2018  
San Diego, CA

- Provided on-site personalized support services for PerkinElmer medical devices.
- Provided troubleshooting expertise and repair skills needed to help identify and resolve issues related to hardware, software, customer or applications support.
- Performed PMs, installs, and repairs on various Perkin Elmer medical devices (Janus, LabChip, SciClone, Zephyr, and EuroImmune products).

**Roche Diagnostics**  
**Planned Activities Specialist/Field Service Engineer**  
**January 2018 - May 2018**  
**San Diego, CA (Contract position via Tailored Management)**

- Performed on-site preventative maintenance, installation, and technical updates (TSB's) on company products (Cobas 6000 and 8000 analyzers).
- Diagnosed mechanical, hardware, software and system failures.
- Trained in: CD Foundations of Hardware, IT Products, c6000/8000 Service Operator Training, and Cobas 6000 Install/Core Service.

**BioSurplus, Inc.**  
**Service Engineer**  
**January 2017 - July 2017**  
**San Diego, CA**

- Determined the re-sale viability of company acquisitions.
- Diagnosed, repaired, and serviced a wide range of laboratory equipment.
- Systems included but were not limited to: Flow Cytometry, Centrifuges, Refrigeration Systems, Automated Liquid Handlers, and HPLC.

**Versum Materials (Formerly known as Air Products and Chemicals, Inc.)**  
**Analytical Chemist**  
**November 2013 - January 2017**  
**Carlsbad, CA (Contract Position via The Fountain Group: Nov 2013 – May 2015)**

- Worked closely with a team of researchers to support method development for new semi-conductor products.
- Performed hands on installation (hardware/software), calibrations, troubleshooting, and maintenance on GC instruments (Agilent 5973/6850/6890/Thermo Trace 1310).
- GC-TCD/GC-FID, GC-MS, DIP-MS analysis of organo silanes and GC-PHID analysis of Octane
- Successfully assisted in transitioning R&D products to commercial status (ISO: 9001:2008, 17025, 10012)

**The Scripps Research Institute**  
**Research Technician**  
**July 2006 - July 2011**  
**La Jolla, CA**

- Performed hands-on installation (hardware/software), calibration, troubleshooting, and preventative maintenance on LC/LC-MS (LTQ and LTQ Orbitrap) and HPLC instruments (Agilent 1100)
- Successfully co-authored over 25 publications with foreign and domestic collaborators
- Protein characterization and data analysis by Mass Spectrometry (MS) of over 1000 protein complexes
- Technical editing and writing experience: successful construction and implementation of new YRC SOPs, co-authoring scientific publications, creation and maintenance of YRC protocol and instrumentation webpage.
- Database maintenance, creation, and modification for YRC Public Data Repository
- Successfully improved YRC data processing system (Data submission, database parsing, etc)

**Additional Experience:**

BP (British Petroleum): March 2013 - October 2013  
Research Associate

Ionis Pharmaceuticals (Formerly ISIS Pharmaceuticals): October 2012 - November 2012  
Research Associate/Scientist - Oligo Synthesis

**Education**

UCSD - Certificate, Full Stack Web Development  
UC Riverside - Bachelor of Science, Chemistry