

Mr. Abdulrahman Al-Shujairi

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Objective:

To secure work experience in the academic science environment. Interests fields include renewable environmental sciences, medicinal (stem cells), biological and agricultural engineering.

Background:

Raised on an 84 acre farm located in Cranbury, NJ. Went to school at South Brunswick High School graduating class of 2016. Currently a student at Mercer County College majoring in Biology as well as Public Health. Minor in Agriculture. Father is Mr. Mansha Al-Shujairi, graduate in Civil Engineering from Oklahoma State University Class of 1984. Founder and CEO of AEG (Advanced Engineering Group) Civil Engineering and Construction located in Princeton, NJ. Mother is Mrs. Rodana Salih, completed a Business in Accounting major at Rutgers University Class of 2016.

Experience and Work History:

2018 - 2018

University of Sharjah School of Medicine, Sharjah UAE

- Involved as a **Lab Technician assistant** at the medical school of UOS.
- Worked directly with knowledgeable Professors, Chemists and Equipment Engineers.
- Semi-proficient in the use and understanding of laboratory equipment and software for machines such as **Gas Chromatography Mass Spectrometry (GCMS), Liquid Chromatography Mass Spectrometry (LCMS), Inductively Coupled Plasma (ICP) and ChemiDoc Biorad Imaging Systems.**
- Very proficient in the use of other laboratory equipments such as laboratory ovens for high-forced volume thermal convection applications, incubators, as well as water purification systems, auto injector systems for LCMS and ICP equipment, refrigeration and cold room units, fume hoods, microwave digestion systems, sonicator water bath systems and other devices used for dissolving components in samples.
- Understand how to test the efficiency and accuracy of certain lab machines by **analyzing standards and comparing the data to a standards sheet.**
- Understand how to properly prepare samples for machines and **minimise any sort of cross contamination in valuable samples.**

- Analyzed blood samples for applications such as hemodialysis for patients with **chronic kidney disease**. Studied that data and gave the information back to researchers who are currently developing those findings.
- Assisted in **MTT Assay** procedures for patients with **breast cancer**. Helped with analyzing cellular samples by using **mediums** such as Dulbecco's Modified Eagle's Medium (DMEM) and Minimum Essential Medium Eagle (MEM). Also was responsible for cleaning flasks with Dulbecco's Phosphate Buffered Saline (PBS) and Trypsin.
- Collected **wastewater samples** from a major treatment plant in Saja UAE, used an **Automated Solid Phase Extraction System** for testing and analyzing samples.
- Also analyzed many **samples of date seeds** to see any antibacterial properties and benefits of those seeds.
- Was responsible for **Chemical Inventory management** which included organizing and cataloging over a hundred different liquid, solid and gas compounds.
- Was also responsible for managing the **safety of the lab** which included cleaning up the lab at all times, properly disposing waste in the proper waste containers, handling any spills or breakages that occur and making sure my fellow employees had the proper safety equipment on when handling certain dangerous chemicals.

2017 - Present

Rutgers School of Public Health, Piscataway NJ

- Involved as a **Research assistant** at the Center for Tobacco Studies (CTS) in Rutgers SOPH.
- Supported various administrative and research activities.
- Provided technical support for a **large scale mail and online survey of physicians** which include but aren't limited too data entry and phone follow ups.
- Extremely proficient with **Microsoft Office especially Microsoft Excel**, gathering and organizing data into data tables, developing statistics from collected data as well as inputting data via Qualtrics software.
- As well as behind the desk office work, gathered data in the field for long periods of time.
- **Field work** for one study included buying tobacco related products from multiple locations in order to test compliance rates of NJ's new tobacco 21 laws.
- Poster in relation to that research was presented at the **Society for Research on Nicotine and Tobacco (SRNT)** in Baltimore, called "**Retailer Compliance with Tobacco Age of Sale Laws in New Jersey Before and After Raising the Minimum Legal Sale Age to 21.**"
- Another study included **monitoring vape shop locations from opening until closing**, which included doing swab sampling on different surfaces of the store, leaving a variety of items in the store that can later be tested, using a unique machine created by the doctoral student I was working with to analyze the quality of air at the location, as well as going back to the lab and concluding our findings to the overall health outcomes of vape related smoke as well as vape related second hand smoke.
- Was first author on the poster also presented at the **Society for Research on Nicotine and Tobacco (SRNT)** in Baltimore, called "**Indoor Air Quality in Electronic Cigarette Vape Shops.**"

- Worked in **studying the illegal counterfeit cigarette trade**. Researched how they are made, quality of tobacco, where it's being sold, who is affected and a variety of other detrimental public health factors.
- Went through hundreds of discarded cigarette containers to distinguish and pick out counterfeits. **Analyzed tax stamp with Ultraviolet Light** to see if ink was florence or not, indicating fake pack.
- Worked with a variety of specialized tools such as **colorspectrometers** while testing counterfeit cigarettes, as well **particle analysis tools** while testing second hand smoke in the lab.
- Directly worked and assisted a variety of Professor, Doctors and PhD students all with the similar goals of producing and developing new research.

2013 - PRESENT

AEG Civil Engineering and Construction, Princeton NJ

- Involved in the **construction and development of high end homes** in South Brunswick, NJ.
- Job consists of delivering building equipment from dealer to site, finding and negotiating building material prices, transporting heavy equipment, rebuilding twenty ton machine trailers, operating heavy machinery such as John Deere bulldozers and Caterpillar excavators, as well as keeping job site organized and clean at all times.
- Work with a variety of Builders, Laborers, Engineers and Architects.
- Job also consists of office work which include collecting and organizing contractors and placing all connects into a spreadsheet.

2015 - 2017

Lantrix Warehouse, Dayton NJ

- A branch of Amazon that buys and sells consumer goods to customers around the world.
- Job consists of sorting, locating, handling, packaging and shipping variety of products.
- Requires extensive knowledge of Microsoft Office, including Microsoft Excel in order to keep inventory of items neat and organized.
- Work with a variety of Business Owners and Manual Laborers.

2010 - 2013

NJ Halal, Cranbury NJ

- Owned and operated a cattle business with father and brothers.
- Job consists of gathering connects through different means of business, networking, going to auctions all around the NJ tri-state area, negotiating with buyers and sellers, reserving orders, making receipts for customers, giving customers unique time slot for pick up of cattle, manage hundred plus customers and livestock, involved in the skinning and gutting of all animals.
- Very knowledgeable with sales to customers, filleting of meat, organ handling, wool treatment as well as proper and humane slaughter of livestock.
- Work with a variety of Customers, Farmers, Butchers and Auctioneers.
- Job also consists of a high level of organization through spreadsheets and customer order numbers.

Education:

2012 - 2016

South Brunswick High School, South Brunswick, NJ - *Graduating Class of 2016*

2016 - Current

Mercer County Community College - *Majoring in Biology and Public Health, Minor in Agriculture*