
Nkosi Sampson

Aliso Viejo, CA

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Summary

Hardworking undergraduate statistics student committed to collecting and analyzing reliable, accurate data. Adept working with Rstudio Python, and Matlab. Capable of strong communication skills and creating clear reports from complex information. Offering strengths in assessing data reliability and eliminating errors. Highly adept in technical writing.

Skills

Statistical Analysis, Data Science, Mathematics, R, Python, MATLAB

Education

California State University, Fullerton

Statistics and Probability • Fullerton, CA

05/2025

- 3.8 GPA
- Major in Probability and Statistics
- 4* Dean's List Honoree
- Completed coursework in Calculus I, Strategies of Problem Solving, Integral Calculus and Differential Equations, Introduction to Computational Linear Algebra, Differential Equations and Linear Algebra, History of Mathematics, Calculus III, Foundations of Data Science, Strategies of Proof, Numerical Analysis, Statistics Applied to Natural Sciences, Linear Algebra, Mathematical Probability, Mathematical Statistics, and Intermediate Data Analysis.

Aliso Niguel High School

HS Diploma • Aliso Viejo, CA

07/2021

- 3.9 GPA
 - Completed coursework in AP Statistics, AP English Language and Composition, and AP English Literature and Composition
 - 5* Superintendents Recipient
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Work Experience

Relevant

Neurocognitive Aging and Analytics Research Experience

• Los Angeles, CA

01/2024 - Present

Worked on 2 research projects related to Neurodegeneration. The first involved building inferential models to discover the most important predictors when predicting a response of Alzheimer's diagnosis, as well as building predictive models - including neural networks and random forests - in order to predict Alzheimer's diagnosis from demographic and neuroimaging data with a high degree of accuracy. Our paper was published in the California State University, Fullerton school journal: Dimensions.

The second project involved building additional R squared models in order to identify variables that explained the most variance in predicting perivascular space volume as well as in predicting other markers of neurodegeneration, as well as building mediation models to figure out the mechanism by which these variables predicted neurodegeneration. I am currently working on a paper with USC faculty regarding this work.

SoCal Data Science

Research Fellow • Irvine, CA

06/2023 - 08/2023

- Implemented statistical research focused on neuroscience, studying links between rat hippocampus activity and memory.
- Constructed an academic paper to assist research study efforts.
- Participated with a research team to develop statistical models for projects.
- Utilized Python and RStudio to conduct statistical research.
- Met specific confidentiality requirements for all research, data, and projects.

Other

Compass Bible Church Aliso Viejo

Facilities • Aliso Viejo, CA

06/2022 - Present

- Checked common areas and conference rooms regularly to verify cleanliness and order.
- Managed system work orders by distributing assignments and closing out completed work after walk-throughs.
- Evaluated facilities, furniture and equipment to maintain ergonomic work environment.
- Directed warehouse activities and defined storage and organization requirements.
- Monitored facility to foster safety, security and consistent maintenance.
- Checked building areas to verify working order and cleanliness.

In-N-Out Burger

Associate • Laguna Niguel, CA

06/2023 - 01/2024

- Operated POS system to receive payment by cash and credit card.
- Answered customer questions and provided store information.
- Supported management team to facilitate task completion and meet performance goals.
- Arranged and stocked new merchandise following placement directions.
- Stocked sales floor and assisted in product movement and merchandising plans.
- Communicated clearly with customers in person and via telephone, driving positive experiences.
- Followed cleaning and sanitation guidelines to meet health and OSHA requirements.
- Trained new team members in cash register operation, stock procedures and customer services.
- Updated inventory and production information using warehouse management systems and scanner guns.

JUICE IT UP

Food Service Team Member • Aliso Viejo, CA

07/2019 - 08/2021

- Followed staff performance and service standards to deliver consistent and positive customer experiences.
- Enhanced food quality by monitoring shipments, preparation and food handling.
- Controlled portion sizes and garnishing to optimize cost controls.
- Cleaned and sanitized work areas, equipment, utensils, dishes and silverware.
- Operated cash register to process cash, check and credit card transactions.
- Coordinated guest relations to boost satisfaction and brand loyalty.
- Sought out and implemented methods to improve food service and team performance.
- Maintained order and cleanliness of work areas to conform with health codes.
- Acquired new skills to support team and further accommodate customer needs.
- Gathered ingredients and cleaned and cut food items to prep recipes.
- Stored perishable food items in freezer or refrigerator to protect from spoilage.
- Followed recipes and customer requests to prepare meals.
- Washed, peeled, cut, and seeded fruits and vegetables.
- Complied with company service standards and adhered to inventory and cash control procedures.
- Monitored inventory to keep adequate stock of food items and supplies.
- Created food items following substitutions for dietary needs, food allergies and preferences.

- Used kitchen equipment and utensils to create dishes from ingredients.
- Set up, restocked and cleaned dining areas.
- Mopped floors and cleaned walk-in refrigerators and storage areas to maintain hygienic, sanitized work area.
- Followed food safety regulations pertaining to sanitation, food handling and storage.
- Reviewed current menu to create specific foods.
- Prevented spoilage and cross-contamination by storing food in designated containers and storage areas.
- Maintained professional demeanor during interactions with customers and co-workers.
- Prepared foods depending on menu created by chef for each meal.

Pumpkin City's Pumpkin Farm

Food Vendor • Laguna Niguel, CA

01/2018 - 08/2018

- Prepared work station before opening to ready strawberries by cutting and displaying products in an orderly arrangement
- Correctly received orders, processed payments, and responded appropriately to guest concerns.
- Talked pleasantly with customers while taking orders and promoted a positive image for business.
- Packaged and verified contents of orders to increase satisfaction.
- Portioned and packaged take-out foods for customers.
- Maintained neat, well-groomed appearance and standard personal hygiene, to meet company standards.
- Corrected unacceptable work or materials to prevent problems and keep operations on target.
- Welcomed and thanked guests to demonstrate appreciation for patronage.