

# DYLAN BAY

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Orem, UT (Open to relocation)

**SUMMARY** Recent statistics graduate combining advanced analytical skills with 4+ years of client-facing experience. Proven ability to drive revenue (\$1M+ in sales) and translate complex concepts for non-technical audiences. Specialized in SQL, machine learning, Bayesian inference, and turning data into actionable insights.

## SKILLS & ABILITIES

**Technical:** Python (pandas, polars, scikit-learn), SQL, R, C++, Excel, Git  
**Data Science:** Regression, supervised machine learning; basic clustering and PCA; interpretable AI/ML (SHAP, LIME); large-scale data analysis; A/B testing  
**Advanced Stats:** Applied Bayesian inference (STAN, Nimble), nonparametric statistics, spatial and time series data, survival analysis, GLM statistical modeling  
**Data Visualization:** R (ggplot), Python (seaborn, plotly), Tableau  
**AI & Automation:** Basic AI API integration & agentic design, Excel automation

## EDUCATION

**Bachelor of Science in Statistics: Data Science**, Graduated April 2025  
Brigham Young University, Provo, Utah

Member ASA (American Statistical Association), J-ISBA (International Society for Bayesian Analysis); Returned to complete degree 2021 after work experience.

## EXPERIENCE

**Sales Specialist - Installations**, Lowes of Orem, UT  
May - Dec 2022

Managed and sold special-order flooring product, window treatments; mentored and trained four associates. Generated \$1 million in revenue throughout home improvement industry career.

**Various Sales and Specialist Roles**, The Home Depot  
Beaverton, OR Feb 2018 - Sept 2020; Provo, UT Apr - Aug 2021

Customer-facing and commercial sales and installations, for flooring, blinds, windows, and doors; liaising with installers, manufacturers, and customers. Led store on safety team to one year without injury and streamlined processes.

**Research Assistant**, BYU Department of Spanish and Portuguese  
Jan - Jun 2015

Assisted in assembling literature review, cleaning and organizing data, preparing presentation slides, and other tasks to produce a published study on Spanish language proficiency study methods and conference presentation.

## OTHER

Longtime volunteer and private tutor, Eagle Scout, highly proficient Spanish both spoken and written, National Merit Scholar  
Expert pizza taster - ask me for my local recommendations!