

JACK K. BROWN

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EDUCATION

California Polytechnic State University, San Luis Obispo	09/19 – 06/24
Bachelor of Science, Statistics	June 2023
▪ GPA: 3.7	
Master of Science, Statistics	June 2024
▪ GPA: 3.7	

Relevant Coursework

Statistical Learning with R	Adv. Statistical Computing with R	Statistical Computing with SAS
Fundamentals of Python	Methods of Proof	Linear Algebra II
Generalized Linear Models	Applied Linear Models	Time Series Analysis
Mathematical Statistics	Estimation & Sampling Theory	Probability Theory
Multilevel & Mixed Modeling	Statistical Consulting Practicum	Applied Multivariate Analysis

WORK EXPERIENCE

Yardi Systems, Inc., Santa Barbara, CA	02/24 – 05/24
Associate Technical Account Manager, Intern	
<ul style="list-style-type: none">Learned the ins-and-outs of Yardi's vast selection of property management softwareProvided exceptional customer service to my designated Yardi clients with complex business and accounting needsUtilized SQL to manage, summarize, and interact with relational databases containing large property data sets	
Oway Inc., Los Angeles, CA	06/23 – 08/23
Founding Account Executive	
<ul style="list-style-type: none">Managed clients' customer accounts and oversaw order processes, to ensure satisfactory service and on-time deliveryCreated email and talk scripts to foster quick communication between customers and freight truck driversEffectively performed cold calls on HubSpot to onboard new customers in an efficient mannerInstructed new and returning customers on how to independently place orders and request freight quotes	
County of San Luis Obispo, San Luis Obispo, CA	01/23 – 05/23
Information Technology Department, Student Intern	
<ul style="list-style-type: none">Utilized Power BI, Power Automate, SQL, and other M365 Apps to help manage large datasets and carry out tasksManaged workflows and created meaningful dashboards to optimize data management and internal productivity	
NorthPoint Development, Kansas City, MO	06/22 – 08/22
NorthPoint Labs, Data Science Intern	
<ul style="list-style-type: none">Created time series models on R to predict net absorption, thus determine the industrial demand of different marketsAuthored a research report on the economic impact of multi-family developmentsConducted market exploration and industrial research of Rockford, IL to assess potential development opportunitiesIdentified up-and-coming retailers who may need additional warehouse capacity in the future, via statistical analysis	
Statistics Department, California Polytechnic State University, San Luis Obispo	03/22 – 06/24
Instructional Student Assistant, Student Grader	
<ul style="list-style-type: none">Graded homework assignments, quizzes, and projects in upper-division undergraduate Statistics coursesKept a timely deadline for 120+ students at a timeInstructed students one-on-one and in groups to increase their understanding of statistical concepts	
Women's Beach Volleyball, Division I, California Polytechnic State University, San Luis Obispo	09/21 – 05/22
Technical Coordinator, Student Manager, 2022 Big West Conference Champions	
<ul style="list-style-type: none">Managed database of recordings of games and practices for post-analyzing and improvementCreated interactive performance-based graphs in Excel to track progressDesigned logos and controlled logistics for official and club team apparelCoordinated exchanges of game film with other universities' beach volleyball programs	
Ross Dress for Less, San Luis Obispo, CA	09/20 – 11/20
Retail Associate	
<ul style="list-style-type: none">Managed customer checkout area and organized merchandise, praised by management for work quality and efficiencyAll-time store record for weekly Cashier Performance Rating, including 7 weeks as the store's most efficient cashierProvided effective security leading to noticeable improvements in theft prevention rates	

OTHER TRAINING

Career Technical Education - Office Occupations, Agoura High School

08/17 – 06/19

- Experienced and learned the system of several different office workplace environments
- Mastered the ability to provide exceptional communication and work productivity to employer
- Understand the importance of each co-worker's role within businesses' structure and overall goal

STAT 421: Survey Sampling & Methodology, California Polytechnic State University, San Luis Obispo

09/21 – 12/21

Student Survey Researcher

- Worked with WITH US Center for Bystander Intervention to survey university administrators across the U.S. about their needs related to student health and safety
- Worked as a member of the Survey Instrument Design, Training, and Field Work Team
 - Designed survey instrument on Campus Labs, then trained class on proper survey interview etiquette
 - Created an emailing system for students to request interviews from administrators
- Conducted personal survey interviews via Zoom with administrators from universities from across the country

STAT 466: Senior Project - Statistical Consulting, California Polytechnic State University, San Luis Obispo

04/23 – 06/23

Statistical Consultant

- Worked with three different clients and domain experts to provide statistical consulting services of their needs
 1. MicroBio Engineering, Inc. to assess how different factors affect nitrogen removal rates from wastewater
 2. Cal Poly's Department of Kinesiology & Public Health to assess food insecurity's effect on child diet quality
 3. Cal Poly's Department of Industrial & Manufacturing Engineering to assess factors in time to screw a metal bolt
- Administered follow-up client meetings to present final conclusions and memorandum
- Conducted initial client meetings to effectively establish a collaborative attitude and shared understanding with clients
- Led statistical analysis to thoroughly answer research questions while accommodating clients' needs and experience

STAT 566: Graduate Consulting Practicum, California Polytechnic State University, San Luis Obispo

04/24 – 06/24

Statistical Consultant

- Worked with students in several different areas of study to provide statistical consulting services of their needs, including Kinesiology projects for the NCAA Division I football team, and several agriculture-related projects
- Analyzed data using various statistical tests and modeling techniques while accommodating clients' experience level
- Delivered statistically valid and audience-appropriate analysis steps and final conclusions through memorandums
- Scheduled and administered initial, follow-up, and final client meetings to ensure full client satisfaction

SKILLS, ABILITIES, AND HOBBIES

- Experience with R, JMP, SAS, Minitab, Excel, Tableau, SPSS, Stata, GitHub, RMarkdown, Shiny, Quarto, Alteryx, Python, M365, PowerBI, SQL, ArcGIS, and Jupyter Notebook
- Capable of multi-tasking under pressure in a fast-paced work environment with attention to detail
- Excellent proficiency with all Microsoft Office tools, including Word, PowerPoint, Excel, Outlook, OneDrive, etc.
- Cal Poly Lean Six Sigma Green Belt Trained
- Effective and personable customer service, including experience with HubSpot, Salesforce, and other CRM software
- Professional-level independent graphic designer (Adobe Photoshop) and video editor
- Conversational Spanish speaker
- Knowledgeable sports analyst and strategist
- Songwriter, multi-instrumentalist, musician, and producer for bands James & Rocco and Magnolia
- Ability to foster collaboration and lead a team by example of ideal workplace mindset
- Excellent interpersonal, communication, and presentation skills

EXTRACURRICULARS

Statistics Club

09/21 – 06/24

Member

Phi Sigma Kappa

Safer Chair

01/22 – 01/23

Social Chair

01/23 – 01/24

Mu Sigma Rho: The National Statistics Honorary Society at Purdue University

05/22 – 06/24

Member