

CALEB SKINNER

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2727 Revere St Apt 3014 Houston, TX 77098

EDUCATION

Baylor University – Waco, TX

- Bachelor of Business Administration
- Majors: Business Fellows, Statistics, Economics, Mathematics
- Minor: Political Science
- Honors Program
- Overall GPA: 3.97
- General GRE Quantitative: 170

May 2024

Rice University – Houston, TX

- Accepted Position for PhD in Statistics

HONORS AND AWARDS

- Getterman Scholar – Full Ride Scholarship to Baylor University 2020 – 2024
- Crane Scholar – highly selective program connecting faith and reason; attended seminars, monthly discussions with cohort and faculty on pertinent literature
- Dean's List – Fall 2020, Spring 2021, Fall 2021, Spring 2022, Fall 2022, Spring 2023, Fall 2023
- Government Competition (We the People) 2nd in State of Arizona, Nationals Qualifier 2020

STATISTICAL EXPERIENCE

Sports Analytics Club – Vice President

August 2021 – 2023

- Collaborated with Statistics PhD student Ryan Hebdon to develop a website (with R's ShinyApp) filled with numerous interactive visualizations and tables utilized by Baylor baseball's staff.
- Met biweekly with a Baylor baseball coach to discuss future projects and present analysis and discoveries that will assist in player development.
- Developed a model that analyzes college football and predicts future results.

Global Health Survey

August 2022 – November 2022

- Created a substantial report for a research paper assessing the state of Global Health among undergraduate students.
- Using R and R Quarto, produced ~50 pages of visualizations and statistical analysis that summarized responses from forty-question survey.

Football Analytics Blitz

February 2022

- Analyzed NFL data from 2021 to create a comprehensive game-strategy in Syracuse University's case competition.
- Produced visualizations justifying decisions and presented conclusions to a panel of judges.

PAPERS

- **Skinner, C.;** Sturdivant, R., "Is Momentum Real: On the Existence and Influences of Psychological Momentum in Tennis"
- [2024 Mathematical Contest in Modeling Problem C Author](#)

WORK EXPERIENCE

SCORE Network Material Developer

Baylor University, Department of Statistics, Waco, TX

May 2023 – August 2023

- Developed three 20-50-page interactive lesson plans that communicated complex statistical concepts using extensive data from three sports.
- Researched and compiled formulas, explanations, and examples fit for teaching cluster analysis, interrater reliability, and logistic regression.
- Produced modules fit for teaching these concepts in an understandable, interactive, and engaging way using the programming languages R-Markdown and ISLE.
- Organized and manipulated unclean data sets with dozens of variables and thousands of observations in R tidyverse. Visualized data with rich graphics and readable tables in a pedagogical manner.
- Collaborated with and presented updates to Baylor University Statistics Professors Dr. Rodney Sturdivant, Dr. Joshua Patrick, and Dr. Michael Gallagher.

Travel Awards Consultant

Baylor University, Graduate School, Waco, TX

May 2023 – May 2024

- Processed applications from graduate students requesting financial assistance as they present research.
- Frequently communicated with students and resolved conflict over discrepancies within the application process.
- With Excel, organized and refined the process while documenting procedures for future workers.

Undergraduate Economics Research Assistant

Baylor University, Economics Department, Waco, TX

September 2023 – May 2024

- Researched and developed a data set for Dr. Mark Hoekstra for an Economic Research paper he hopes to publish.
- Discussed and brainstormed the design of the research.

Residence Hall Front Desk Assistant

Baylor University, Graduate School, Waco, TX

August 2021 – September 2022

- Greeted students as they entered and left the residence hall. Encouraged social events and built relationships with isolated students.
- Supported students with various problems and questions. Provided aid to incoming phone calls.
- Maintained a clean environment and communicated effectively with numerous schedule changes.

Honors Line Camp Leader

Baylor University, Campus Living and Learning, Waco, TX

July 2021, July 2022

- Led 14 incoming Freshman in a 4-day orientation camp; building relationships and encouraging students as they confronted fears and prepared for college.
- Facilitated emotional and enriching small-group conversations while adhering to University guidelines and a strict, filled schedule.

Legal Assistant

Gallagher & Kennedy, Phoenix, AZ

May 2021 – August 2021

- Worked directly with Attorneys Shannon Clark and Matt Boatman, reported findings to lawyers and provided suggestions on legal cases.
- Researched dense material for more than 10 personal injury cases. Documented, summarized, and created reports for several depositions, financial documents, and medical records.
- Summarized accident material and drafted 2 Demand Letters for personal injury cases. Organized files and edited them for clarity.
- Communicated with other law firms and businesses to retrieve documents and needed information.

Math Tutor

Mathnasium – The Math Learning Center, Chandler, AZ

September 2019 – February 2020

- Assisted kids from kindergarten to high school in their math skills by creating learning plans and establishing strong study habits.

- Supervised 2 to 4 students at a time and worked through difficult problems when needed. Corrected students in a constructive manner and maintained a healthy working environment.

COMMUNITY SERVICE

STARS Book Club Reading Buddy – Crestview Elementary, Waco, TX August 2021 – May 2023

- Established strong friendships with two fourth-fifth grade students during weekly lunches. Watched their joy and love for books grow.
- Read over 5 books with students, improving reading skills from far below reading level to near standard in 2 years. Corrected students when needed; provided support and mentorship.

Grace Church Waco Member, Waco, TX August 2020 – Present

- Led a weekly college Bible Study of 5 students for over a year, facilitating conversations and establishing friendships with potentially isolated students.
- Participated in childcare, supervising up to 10 children aged two to twelve during worship and small groups. Created short lessons, sang, and played with kids.

Assistant Tennis Coach at Live Oak High School, Waco, TX January 2022 – April 2022

- Led 15 high school students in weekly practices, creating drills and illustrating correct form.
- Supervised activities, encouraged students during match-play, and frequently instructed students individually.
- Practiced weekly with a high school player who later won the Texas State Championships.

LEADERSHIP AND ACTIVITIES

Honors Residential College Leadership Team, Social Committee - Waco, TX August 2021 – May 2023

- Introduced freshman students to a vibrant community by orchestrating dozens of community events.
- Reached out to isolated students by catering events to their interests.

SKILLS

- Highly Proficient in R
- Course Experience with Python
- Course Experience with STATA
- Highly Proficient in Excel

RESEARCH INTERESTS

- Time Series Analysis
- Bayesian Statistics
- Causal Inference
- Survival Analysis
- Behavioral Economics