

# ANDREW BELZ



Rexburg, ID | <https://linkedin.com/in/andrewbelz>

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Portfolio: <https://andrew-belz.github.io/Data-Science-Portfolio/> OR SCAN QR CODE ABOVE

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Passionate aspiring data scientist always looking for new challenges. Technically adept, with both mathematical and programming skills in **statistics, Python, R, and SQL**.

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## EDUCATION

### B.S. IN STATISTICS, EMPHASIS IN DATA SCIENCE, MINOR IN MATHEMATICS- EXPECTED FALL 2027

- **Expected Graduation from Brigham Young University (Provo, UT)**
  - **BYU-Idaho - Attended FALL 2023-FALL 2024 – 4.0 GPA on 4-point scale**  
Relevant Coursework: Data Science Programming (**Python, SQLite**), Intermediate Statistics (**R, statistics**), Introduction to Databases (**MySQL Workbench**)
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## PROJECT EXPERIENCE (BYU-IDAHO)

### SOCIOECONOMIC INEQUALITY STATISTICAL ANALYSIS

**Analysis using R:** Uncovered trends in poverty and race in relation to crime rates using official US Census data. Showcased abilities in **hypothesis testing, linear regression, ANOVA, model validation, API data extraction, exploratory data analysis, and data visualization (ggplot)**.

### STOCK PRICE TRACKING APPLICATION

**Python Application:** implemented automated **ETL** process to retrieve and display data from **Yahoo Finance API** via **yfinance** module. Pipeline transforms resulting data with **Pandas**, and loads the data frame into a **Plotly Dash** app graphically and tabularly. Showcased abilities with **Python, Dash, Plotly, Pandas, yfinance, HTML, and CSS**.

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## WORK EXPERIENCE

### SOLAR TECHNICIAN

Mitchell Security, Inc. | Bakersfield, CA

AUGUST 2022 - AUGUST 2023

- Installed residential solar energy systems in a team of 6
- Implemented & utilized monitoring software for energy systems to diagnose & troubleshoot performance
- Communicated technical information to clients daily
- Adhered to stringent build protocol & regulations to promote strict quality control

### EXAM PROCTOR

BYU-Idaho | Rexburg, ID

MAY 2024 - PRESENT

- Administer & manage tests for dozens of students daily
- Adhere to standard operating procedures to protect testing integrity & accurate file management
- Interact with database front end interface to manage student & test information

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## SKILLS

Python: Pandas, NumPy, Scikit-learn, Plotly Express | R: ggplot, mosaic, tidyverse, R-markdown | SQL: SQLite, MySQL, ERDs | Hypothesis testing | Statistical modeling | Data visualization | Data wrangling | Effective communication | Team collaboration | Problem-solving | Quality control