# Matthew Budding

## Fake CV for Lab

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## Work Experience

### PSYCHWORK, PhD A Psychological Corporation (APC)

June 2023 - Current

- Enhanced data cleanliness by rectifying errors in patient tests, optimizing inputs for the data warehouse, and speeding up processes by 30%.
- Data Visualization: Finding the important metrics from the data to make visualizations for Dr. Budding to use to assess the patient, decreased downtime between when testing ends and analysis begins

## Projects

### Bias in the News: Text Mining & Sentiment Analysis

- Creation of a web scraping program to pull the text from an article and clean it for usage in the sentiment analysis algorithm.
- Creation of a sentiment analysis algorithm to determine whether a news site was writing about Israel or Palestine and narrowing down if they were writing positively or negatively about the given group.

### Library System

- Responsible for creating the book class and the storage system so the library can access the needed books.
- Responsible for ensuring the program had no memory leaks within so that the program would run with no memory issues.

## Education

### University of California, Riverside - B.S, Data Science

September 2022 - June 2024, GPA: 3.74 (Transferred to UC San Diego)

Relevant courses:

- CS 105: Data Analysis Methods
- CS 100: Software Construction
- CS 10C: Data Structures & Algorithms

### University of California, San Diego - B.S, Data Science

September 2024 - Current, GPA: 3.7

Relevant courses:

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- MATH 180A: Introduction to Probabilities

## Skills

- Programming: C++, Python, R, SQL
- Cloud Management: Taken courses on Microsoft Azure, Google Cloud Platform, Amazon Web Services