

# RICK ZHENG

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## SUMMARY

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- Passionate about generating data visualizations and data-driven problem-solving
- Proficiencies: Python -- R -- SQL -- Tableau -- Streamlit
- Proficiencies (Languages): Chinese -- English
- Positive, analytical, striving, and dedicated to personal and professional growth

## EDUCATION

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### University of California - Santa Barbara

Sept. 2019 - Dec. 2022

Statistics & Data Science B.S

GPA: 3.80

## EMPLOYMENT

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### Researcher, *Edison International*

June 2022 - Aug. 2022

- Conducting an NLP research project to propose a set of major subjects from engineering curricula using data from 19K+ courses provided by universities
- Collaborating cross-functionally to analyze user preferences to generate recommendations for designing engineering courses
- Technologies used: Python

### Data Science Intern, *University of California - Santa Barbara*

Apr. 2022 - Current

- Leveraging social media text data to develop a predictive model that identifies hate messages
- Applied sentiment analysis on text data to identify factors that inform the decisions underrepresented faculty make about their relationship with UCSB
- Technologies used: Python, R

### Data Analyst Intern, *UCSB Sustainability*

May 2020 - Current

- Analyzing data collected from 34 UCSB Basic Needs programs to present their impact on the UCSB community
- Generated insights on student preferences and provided survey development support in annual Basic Needs surveys
- Technologies used: R

## PROJECTS

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### Using NLP Techniques to Evaluate Essential Subjects in Engineering Curricula

June 2022

- Applied Topic Modeling and text analysis using Python of 19K+ course syllabi from numerous universities to identify major subjects within engineering curricula

### Calories Burned Predictor App

July 2022

- Conducted statistical analysis using Python to provide predictions on calories burned based on activity and physical attributes

### Text to Sentiment Classifier App

June 2022

- Drove sentiment analysis using Python of 20K tweets from the Twitter API and applied statistical models to classify text