

Jacob Der



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Profile

Hard working and motivated recent mathematics graduate seeking entry-level employment as a data analyst or data scientist.

Education

University of Southern California

MA in Mathematics

08/2018 – 05/2020 | Los Angeles

San Francisco State University

BA in Mathematics

08/2014 – 05/2018 | San Francisco

Awards

David Meredith & Friends Scholarship

2017

Work Experience

University of Southern California

Teaching Assistant

08/2018 – 05/2020 | Los Angeles

- Developed effective presentation and mentoring skills.
- Communicated complex mathematical concepts to students.

Projects

Stock Performance Webapp

- Wrote a reactive R Shiny app that pulls data from Alpha Vantage to display highs and lows of stocks over time.

Covid-19 Dashboard

- Wrote a reactive Dash app with python that uses data from NY Times to make a choropleth of the US and create time series

Skills

Programming

Languages

Python (familiarity with pandas and sklearn), R, SQL, HTML

Mathematics

Linear Algebra, Calculus, Complex Analysis, Probability

Microsoft Office

Word, Excel

Tableau

Relevant Coursework

Linear Algebra

- Performed linear-regression through linear-algebraic methods.

Probability and Statistics

- Utilized Bayes' Theorem and Central Limit Theorem.

Combinatorics

- Found spanning trees via depth-first searches.
- Computed relevant statistics by combinatorial methods.

Interests

Rock Climbing | Cooking | Reading

Old School Runescape