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 Sourthern California
Teaching Assitant
08/2018 – 05/2020 | Los Angeles
- Developed effective presentation and mentoring skills.
- Communicated complex mathematical concepts to students.

Projects

Covid-19 Data Visualization
- Wrote a python script to pull daily Covid-19 data and plot it.
- Code can be easily modified to display different visualizations.

Median Household Income by Race
- Used data from the US government to visualize and make predictions about income given race

Skills

Programming Languages
Python (familiarity with pandas and sklearn), Java, 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