Julian M. Lehrer

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EDUCATION

University of California, Santa Cruz *Fall 2018 - Spring 2021 (expected)*
B.A. Computational Mathematics, Minor in Computer Science

Selected coursework:

Multivariate Calculus I&II	Proof Theory
Algorithms & Abstract Data Types	Discrete Mathematics
Linear Algebra	Probability Theory
Machine Learning	Statistical Models

EXPERIENCE

Data Science Intern | *Startup Genome — San Fransisco, CA* *Spring 2020*

- Modeled how COVID-19 affected startups globally
- Built scalable data pipeline using Python and Pandas, hosted on AWS Lambda

Vice President | *Data Science @ SC — Santa Cruz, CA* *Winter 2020 - Current*

- Organized outreach events, presented on Machine Learning techniques
- Created the UCSC Statistics Reading group

PROJECTS

Project Portfolio | https://github.com/jlehrer1

Transparency Project (1st Place CruzHacks 2020)

- A fully interactive website that brings clarity to the political process through interactive data visualizations. Build with Plot.ly and Dash, and hosted live on GCloud.

iOS Air Quality App

- Use Swift 4 and the OpenWeatherMap pollution API to retrieve air quality information at the user's location
- Created a classification system from the weather.gov AQI to determine the level of caution that should be taken outdoors

Kaggle: DengAI

- Used gradient boosted trees to achieve a top 20% score on Kaggle
- Created data visualizations using Plotly

SKILLS

Programming: Python (scikit-learn, pandas, numpy), Swift, Java, C, C++, Matplotlib, Plot.ly, Dash, Matlab
Theory: Statistical models, machine learning, deep learning, numerical optimization, numerical methods
Software: AWS Elastic Beanstalk, AWS Lambda, Git, Bash