Julian M. Lehrer

707-490-9354 | julianlehrer.me | jmlehrer@ucsc.edu

EDUCATION

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

EXPERIENCE

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

- Built analytics pipeline for understanding how COVID-19 affects global startup ecosystems
- Created deep learning model with Keras, Tensorflow and NLTK to classify startup sectors from funding data
- Data engineering and cleaning with Pandas to prepare data for investors and clients

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.

Quick CNN

- Used Google images API and Tensorflow to generate a classifier trained to detect images of the object of the users choice
- Data augmentation with Keras and Skimage to increase model accuracy and shift invariance

InstantEDA

- Python package to instantly generate common exploratory data plots
- Built with Pandas, Numpy, and Plotly

DrivenData: DengueAI

- Used a combination of engineered lagged features and fourier models to achieve a top 11.8% score globally (so far) on the DrivenData Dengue fever prediction contest
- Built with Pandas, Scikit-learn and Tensorflow

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