

# Julian M. Lehrer

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EDUCATION	<b>University of California, Santa Cruz</b> <i>Fall 2018 - Spring 2021 (expected)</i> B.A. Computational Mathematics, Minor in Computer Science
EXPERIENCE	<b>Data Science Intern</b>   <i>Startup Genome — San Francisco, CA</i> <i>Spring 2020</i> <ul style="list-style-type: none"><li>• Built analytics pipeline for understanding how COVID-19 affects global startup ecosystems</li><li>• Created deep learning model with Keras, Tensorflow and NLTK to classify startup sectors from funding data</li><li>• Data engineering and cleaning with Pandas to prepare data for investors and clients</li></ul> <b>Vice President</b>   <i>Data Science @ SC — Santa Cruz, CA</i> <i>Winter 2020 - Current</i> <ul style="list-style-type: none"><li>• Organized outreach events, presented on Machine Learning techniques</li><li>• Created the UCSC Statistics Reading group</li></ul>
PROJECTS	<b>Project Portfolio</b>   <a href="https://github.com/jlehrer1">https://github.com/jlehrer1</a> <b>Transparency Project (1st Place CruzHacks 2020)</b> <ul style="list-style-type: none"><li>• 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.</li></ul> <b>Quick CNN</b> <ul style="list-style-type: none"><li>• Used Google images API and Tensorflow to generate a classifier trained to detect images of the object of the users choice</li><li>• Data augmentation with Keras and Skimage to increase model accuracy and shift invariance</li></ul> <b>InstantEDA</b> <ul style="list-style-type: none"><li>• Python package to instantly generate common exploratory data plots</li><li>• Built with Pandas, Numpy, and Plotly</li></ul> <b>DrivenData: DengueAI</b> <ul style="list-style-type: none"><li>• 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</li><li>• Built with Pandas, Scikit-learn and Tensorflow</li></ul>
SKILLS	<b>Programming:</b> Python (scikit-learn, pandas, numpy), Swift, Java, C, C++, Matplotlib, Plot.ly, Dash, Matlab <b>Theory:</b> Statistical models, machine learning, deep learning, numerical optimization, numerical methods <b>Software:</b> AWS Elastic Beanstalk, AWS Lambda, Git, Bash