

HILLARY SANDERS

DATA SCIENTIST, SOFTWARE ENGINEER

SKILLS

- machine learning, deep neural networks
- data visualization
- probability theory
- ETL pipelines
- database design

TOOLS

- Python (Pandas, NumPy, Keras, Django, re)
- R
- Docker Containers
- PostgreSQL
- AWS services (EC2, Redshift, Elasticsearch, S3, Elastic Beanstalk)
- HTML, CSS, Javascript
- Bash

EXPERIENCE

SOPHOS

SENIOR DATA SCIENTIST • JUNE 2019 – PRESENT

Developing and researching deep learning models for security applications.

SENIOR SOFTWARE ENGINEER • MAY 2018 – MAY 2019

Designed, created, and maintained databases (Redshift, Elasticsearch), frameworks and utilities to help develop, analyze, and showcase deep learning models trained on hundreds of millions of files.

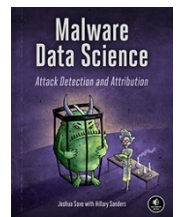
DATA SCIENTIST • FEB 2017 – APRIL 2018

Developed and improved malware detection deep learning models. Also led effort to create our model development utils and framework code. (i.e. fetch, extract features, train, test, internally deploy.)

NO STARCH PRESS

CO-AUTHOR • NOV 2017 - SEP 2018

Wrote the chapters of "Malware Data Science" (published by No Starch Press in 2018) that focus on deep learning theory and methods. 100% of author proceeds go to charity (EDF).



RECIPESTASHER

FOUNDER / FULL STACK DEVELOPER • SEP 2016 - NOV 2016

Designed and built a free website that parses free-form recipe text with NLP, enabling unit and servings conversion across ingredients and instructions.

PREMISE DATA CORPORATION

DATA SCIENTIST • JUNE 2013 – JULY 2016

As the first data scientist on staff, I developed data processing and analytic pipelines to do things like create inflation indices (our main product), calculate optimal survey volume over geography and products to minimize index error, and cluster product name strings to extract common brand names. I also led efforts to develop a set of sharable utility code.

EDUCATION

BACHELORS IN STATISTICS, BACHELORS IN ENV. ECONOMICS & POLICY • 2012 • UC BERKELEY • CUM LAUDE, 3.8 GPA



HILLARYMSANDERS@GMAIL.COM



@HILLARYMSANDERS



HILLARYSANDERS.COM



LINKEDIN.COM/IN/HILLARYSANDERS