

Adam Sabra

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EXPERIENCE

• University of California, Davis

Undergraduate Researcher

Davis, CA

March 2020 - Present

- **Project Lead:** Developed every aspect of the project from its main objective to data collection, preprocessing, analysis, and model building.
- **Source Separation:** Utilized the Signal Processing Toolbox in MATLAB to perform Blind Source Separation on songs to separate instruments.
- **Model Analysis:** Compared the performance of various separation techniques such as (...) to assess accuracy in instrument separation.
- **Recurring/Convolutional Neural Network:** Implemented a RNN/CNN to (...)

• UC Davis Data Science Club

Chief Officer

Davis, CA

February 2020 - Present

- **Workshops:** Delivered Python workshops in Jupyter notebooks, pandas, numpy, and matplotlib.
- **Mentorship:** Led and mentored group members working on either individual or group projects taking them from the beginning steps of data collection up until model building.

• Mathnasium

Mathematics Tutor

Davis, CA

September 2019 - Present

- **First:** Tutored Math part-time at every level ranging from Kindergarten to AP AB/BC Calculus
- **Second:** Worked one-on-one with children diagnosed with ADHD and Autism to help improve overall homework and test scores
- **Third:** Refined teaching methods over time to allow for maximised retention for all kinds of students and their various learning habits

• Hindsight Technology Solutions

Machine Learning Intern

Remote

August 2019 - February 2020

- **Web Scraping:** Created large-scale web scrapers to retrieve a minimum of 500 articles at a time.
- **Data Cleaning:** Parsed through and cleaned corpus data to retrieve key words/entities of each document
- **Web Tools:** Developed a web application using streamlit as an extension of the NLP model to facilitate semi-supervised training.

• Penji

Data Science Intern

Remote

January 2019 - August 2019

- **Marketing Analysis:** Created and studied Key Performance Indicators (KPIs) to analyze marketing results - improved marketing strategies by 20%
- **Data Dashboards:** Leveraged Jupyter notebooks and Python classes to automate tracking of the app's virality across numerous campuses.

PROJECTS

- **Thesis:** Lemme get uuuuhhh
- **Music Taste:**
- **Website:** Deployed personal website

EDUCATION

• University of California, Davis

Bachelor of Science in Statistics - Machine Learning Track; GPA: 3.2

Davis, CA

Sep. 2017 - June 2021

PROGRAMMING SKILLS

- **Languages:** Python, MATLAB, Julia, R, SQL
- **Packages:** pandas, numpy, scipy, sklearn, tensorflow, streamlit, keras, pytorch, matplotlib, datetime, regex, re, bokeh, ggplot