

Tabatha Lewis

tabathasuzannelewis@gmail.com | +1 (858)-242-0566 | La Jolla, CA

Technical Skills:

C, C++, Unix, Reg Ex, Bash/Shell, Java, Python (Numpy, Pandas, Scipy, Matplotlib), R (ggplot), JavaScript (d3.js, React), Unity, Matlab, Git, HTML/CSS, Spark, SQL, Tensorflow, AWS, Databricks, Splunk, Docker, Tableau, Microsoft Office Suite, Adobe Suite

Languages:

English (native), Spanish (native), French (professional competency)

Laboratory Skills:

Big Data Analytics (R, Python and SQL), Electrical Engineering (Microscopy), Cryogenics (Basics), Chemistry Lab Component, Bioinformatics (R)

Relevant UCLA Coursework:

Probability Theory, Mathematical Statistics, Applied Numerical Methods I II, Mathematical Modeling, Systems & Ordinary Differential Equations, Algorithms & Complexity, Analysis, Machine Learning, Computer Organization, Optimization, Computer Graphics, Introduction to Linguistic Analysis, Cell & Molecular Biology, Cells, Tissues & Organs, Organic Chemistry, Chemistry Energetics & Change, General Chemistry Lab, Physics Mechanics, Physics Oscillations, Waves & Fields

Certifications:

Deep Learning by deeplearning.ai on Coursera (Sept 2020)

Extracurricular:

- Presently working at a start-up to create a matching/affinity algorithm and data visualization utilizing medical school data.
- Cover screenplays for an entertainment company.
- Tutored middle school and high school students in Mathematics.

EDUCATION

University of California, Los Angeles

June 2020

Bachelor of Science in Mathematics of Computation

WORK EXPERIENCE

NBCUniversal | **MACHINE LEARNING INTERN**

Jan 2020 - May 2020 | Los Angeles, CA

- Investigated the XGBoost Machine Learning Algorithm and its application to NBC's recommendation engine.
- Conducted data analysis on datasets with hundreds of millions of entries using Python, Spark and SQL to draw data driven consumer insights.
- Cleaned datasets and created visualizations using D3.js to present findings.

Fox Corporation | **SUMMER VIDEO ENGINEERING INTERN, FALL VIDEO ENGINEERING INTERN, SOFTWARE DEVELOPER**

May 2019 - Jan 2020 | Los Angeles, CA

- Created internal tools such as a tool to extract id3 tags and Nielsen watermarks from live video streams (VOD and AWS) utilizing AWS and Python and created a web interface to access the tool with React (JavaScript, HTML/CSS).
- Resolved issues with Verizon's API logging messages to Splunk.
- Worked with complex Video and API structures and formats.

SEASnet Computing Facility | **LAB CONSULTANT**

Jan 2019- June 2020 | Los Angeles, CA

- Answered technology and software related questions in a time sensitive environment.
- Diagnosed and resolved basic hardware and software failures.

Daily Bruin | **OPINION COLUMNIST, NEWS AND A&E CONTRIBUTOR**

Oct 2017 - June 2020 | Los Angeles, CA

- Wrote articles for UCLA's award-winning newspaper.
- Collected and vetted facts within time constraints by conducting informative interviews for and with the public.
- Quickly understood advanced research topics in a variety of fields, such as neuroscience, biology, psychology and sociology, and explained the research to the general public in a digestible manner.

Stealth Start-Up | **SOFTWARE ENGINEERING INTERN - DATA**

July 2017 - Feb 2018 | San Diego, CA

- Created Python modules for risk metric analysis of stock portfolios at an AI based stock trading stealth startup.
- Pulled and analyzed stock data from Yahoo Finance.

Geschwind Laboratory UCLA | **UNDERGRADUATE RESEARCHER**

Oct 2016 - Feb 2017 | Los Angeles, CA

- Analyzed gene expression in hundreds of thousands of cells and used R to eliminate biases introduced by the gene detection methods.

Ozcan Research Group UCLA | **UNDERGRADUATE RESEARCHER**

June 2016 - Aug 2016 | Los Angeles, CA

- Prepared biological samples and examined samples using imaging techniques, such as dark-field and bright-field microscopy.