

Niki Tavakoli

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EXPERIENCE

Data Science Intern

November 2019 – Present

Leaf Group Ltd.

Los Angeles, CA

- Using Python and NLP to build and categorize document corpora.
- Classifying labels for images and documents, and build prediction models for internet traffic on several major brand platforms using multiple database software systems.
- Generating reusable and tested code contributions.

Graduate Student Researcher

June 2019 – August 2019

USC Keck School of Medicine

Los Angeles, CA

- Research under Dr. Ha Youn Lee in the Department of Molecular Microbiology & Immunology to integrate gene sequencing, bioinformatics pipeline, and statistical analysis to improve an HIV vaccine design strategy complete with a better tool set for epidemic surveillance.
- Main role in lab was to compile copious amounts of research data and help code a large database using Python to be used by the laboratory to access data.

STEM Center Assistant

September 2019– Present

USC Viterbi School of Engineering

Los Angeles, CA

- Working with distinguished faculty and USC students to inspire and impact young, disadvantaged students by providing educational inspiration and activities to build a participation in STEM fields.
- Help organize, plan and participate in children's hands-on engineering events/camps, maintain and organize program inventory and coordinate communication.

Neurofeedback Intern

June 2017 – August 2018

Peak Brain Institute

Culver City, CA

- Conducted Electroencephalograms and neurofeedback trials using to collect brain data and frequencies according to specified numerical protocols using EEGer4 software.
- Analyzed and then edited brain maps to remove unusable and noisy data collection to create coded and annotated brain charts of abnormal electrical activity.
- Communicated with clients regarding treatment and scheduled appropriate appointments, as well as updated and tracked client's weekly neurofeedback protocols.

EDUCATION

University of Southern California - Viterbi School of Engineering

May 2021

- M.S. Biomedical Engineering, Breadth in Data Analytics
- 3.9 GPA

University of California, Los Angeles

June 2018

- B.A. Psychology (Pre-Medical Breadth), GPA 3.7
- Regents Scholarship (Awarded to top 1.5% of incoming class)

SKILLS

- Programming: Python (Pandas, NumPy, Matplotlib, TensorFlow), MatLab
- Database Management: mongoDB, MySQL, Google BigQuery,
- Cloud Computing/Big Data, Machine Learning (Clustering, Regression), Tableau, Microsoft Excel
- Problem Solving, Communication, Collaboration, Leadership

LEADERSHIP

- Graduate: VGSA (Biomedical Engineering) Senator, Women in Computing, HackSC
- Undergraduate: Regents Scholar Society, UCLA C.E. Program, College Ambassador