Sara Soueidan | Data Scientist

Washington, D.C. | (571) 357-0713 | saraesoueidan@gmail.com | LinkedIn | Portfolio | Github

Tech professional with a background in neuroscience and a passion for programming. I couple the power of data-driven development with an eye for design. I aim to always deliver products of impeccable quality and elegant simplicity.

SKILLS

- Languages: Python, HTML, CSS, JS, SQL, Unix
- Tools: Git, VSCode, Google Cloud Computing, Amazon Warehouse Services, Tableau, DevExpress
- Theories: Natural Language Processing, Music Information Retrieval, Auditory Processing, Deep Learning
- Libraries: TensorFlow, Keras, jQuery, Bootstrap, d3.js, Plotly, Streamlit, Flask

EXPERIENCE

General Assembly | Data Science Instructor Assistant
September 2020-Present | Washington, D.C.
- Offered one-on-one support to students including but not limited to: Pythonic principles, ML algorithms, and debugging
- Taught hour-long lessons covering different topics within data science to a cohort of 30 students two times a week
- Assisted lead instructors in curriculum development, grading, and Github maintenance

Association Francophone pour les Malades Mentaux | Information Management Officer
December 2017–May 2019 | Beirut, Lebanon
- Led 4 monthly country wide inter-agency meetings focused on aid deployment and coordination with ~60 organizations
- Designed, built, deployed and maintained five connected MVC .NET applications
- Managed cross-functional team (5-15) throughout all stages of the SDLC

University of Maryland | Laboratory Manager
December 2016–May 2017 | College Park, MD
- Managed operations in molecular genetic research lab with ~6-10 members

University of Maryland | Laboratory Technician
September 2014–November 2016 | College Park, MD
- Investigated auditory processing in the avian cochlear nucleus using electrophysiology

EDUCATION

General Assembly | Data Science Immersive
March 2020 – June 2020 | Washington, D.C.
Completed 500+ hour immersive course, including 25+ labs and 6 projects:
- Built a genre-classification model that predicts composition era of classical music recordings with ~80% accuracy
- Developed a tool for FEMA that identifies power outage events by analyzing temporo-spatial social media data

University of Maryland | Science in the Evening
May 2016 | College Park, MD
Relevant Courses: Special Topics in Biology, Research Statistics

The College of William & Mary | B.S. Neuroscience
May 2014 | Williamsburg, VA
Relevant Courses: Cellular Biophysics and Modelling, Mathematical Biology, Applied Cellular Neuroscience and Systems Neuroscience (Graduate Level)

PUBLICATIONS

Lubejko ST, Fontaine B, **Soueidan SE**, MacLeod KM. Spike threshold adaptation diversifies neuronal operating modes in the auditory brain stem. J Neurophysiol. 2019;122(6):2576-2590. doi:https://doi.org/10.1152/jn.00234.2019

Eisenbach SL, **Soueidan SE**, MacLeod KM. Presynaptic GABAergic receptors modulate inhibitory synaptic feedback in the avian cochlear nucleus angularis. bioRxiv. doi:https://doi.org/10.1101/619783