Sapir Mardan

Bristol, UK   •   +44 7510 165 693   •   sapmardan@gmail.com   •   Right to work: U.S. Citizen

SUMMARY

Current MSc student in Bioinformatics with a strong background in Python. I have experience in data analysis, visualization, R, Linux, machine learning, and bioinformatics tools. I am eager to apply my skills to challenging projects, where I can continue to develop my expertise and contribute to innovative research.

LinkedIn: https://www.linkedin.com/in/sapirmardan/

Portfolio: https://sapir-mardan.github.io/portfolio/

EDUCATION

MSc in Bioinformatics, 2023 – 2024 (Expected Graduation: 05/09/24).
University of Bristol - Bristol, UK
Expected Degree Classification: First Class-Honours

Selected Relevent Courses: Scientific Programing, Programming with R, Advanced Programming, 3D Protein Structure.

Dissertation: Our novel system, CamoGan, models camouflage evolution using Generative Adversarial Networks, to simulate biologically relevant systems to uncover unknown evolutionary pressures and effects.

BSc in Biology, 2017 - 2021
Tel-Aviv University - Tel-Aviv, Israel

ADDITIONAL TRAINING

- Completed 'Basic Python & Data Analysis', She Codes (2021).
- Completed 'Python Data Analysis & Visualization', Educative (2022).
- Gained certification at 'Python Bootcamp: From Zero to Hero', Udemy (2024).
- Completed 'Python Data Analysis and Visualization', 'Introduction to Deep Learning with PyTorch', 'Intermediate Deep Learning with PyTorch', DataCamp (2023-2024).

  Through these courses, I enhanced my knowledge beyond university coursework. This helped me to achieve distinction in 'Advanced Programming', where I developed machine learning models and visualizations to classify puffin species and an efficient parallel algorithm that finds longest contiguous sub-sequence in a genome.

EXTRACURRICULAR ACTIVITIES

- Secretary of University of Bristol Biology Society, (2023- 2024).
- Volunteered as sixth-graders biology teacher, Discovering the Sea Program, Tel-Aviv University, (2020).
- Assisted children with special needs, Beit Hayedidut, Tel-Aviv, (2014-2016).

SKILLS

- Python
- Git
- PyTorch
- Pandas
- Unix/Linux
- PyMol
- Statistics

EXPERIENCE

English Teacher, 05/2022 - Current
FLOW

Technical Assistant, 09/2021 – 08/2022
Computing Department, Tel-Aviv University

- Devised and supervised a system to support hybrid studies in response to the COVID-19 pandemic. Collaborated with professors to develop a virtual resource that broadcasted lectures online and created a platform for students to access the entire syllabus remotely.

Office Manager, 01/2016 - 01/2019
Rosentours Ltd - Tel-Aviv, IL

REFERENCES

Dr. Jordi Paps Montserrat
Senior Lecturer
University of Bristol, UK
Phone: +44 117 455 7895
Email: jordi.paps@bristol.ac.uk
Relationship: Personal tutor and director of the MSc Bioinformatics program

LANGUAGES

- Hebrew - Native
- English - Fluent