Santiago G. Rios | Resume

Durrent Sta-Pursuing a Master's degree in Neurobiology and Behavior at the National

tus: Autonomous University of Mexico (UNAM)

▶ Work: Statistics teacher using R on my e-learning platform or caasesina.com,

developed with Moodle

➤ Skills: R, Bash, Python, Docker, LATEX

▶ Languages: English (C2), Spanish (Native)

>>> Experience	ce		
2022 - Present	Development of Data Science Techniques	Master's Program at	
	 Video tracking of behavior and development of apps for analysis using se Implementation of statistical tools to analyze cognitive deficits in mice u 		
2022-Present	Applying the Euler Characteristic Transform to protein structures	Michigan State	
	 Understanding and Applying the ECT to Measure the Shape of protein Publication in progress 	University structures	
2017 - 2020	Research Program Participant	Faculty of Medicine,	
	➤ Studied brain injury and behavioral effects	UNAM, Mexico City	
	▶ Presented results at the Neuroscience 2019 international meeting in Chicago, Illinois		
2015	Short Research Stay	Neurobiology Institute,	
	▶ Participated in the Younglings to Research program	UNAM	
	▶ Studied cognitive behavior analysis using optogenetic techniques		
2014	Short Research Stay	ell Physiology Institute,	
	➤ Participated in the Younglings to Research program	UNAM, Mexico City	
	➤ Studied techniques and methods to analyze G-coupled proteins		
>>> Education	1		
2022 - 2024	Master of Science in Neurobiology and Behavior	UNAM, Mexico City	
2022 - 2024	 Thesis: Characterization of fluoxetine effects on behavior and spatial learning in a mouse model of mild stress Developed and implemented new methods to assess depressive-like behavior and cognition using R via WebAssembly in serverless computing 		
2019 - 2022	Bachelor of Science in Biology	UNAM, Mexico City	
- 10	Thesis: Effects of transcranial magnetic stimulation on the expression of cannabinoid receptors in a rat model of brain injury Implemented laboratory techniques in immunology, genetics, and behavior		