Arturo J. Ossorio Arana

Ecohydrologist - Data Scientist

Ecohydrologist geared towards data science, with an analytical background and experience working with stakeholders and managing teams. Currently increasing mastery in Machine Learning. I will be uploading related content through my GitHub account and website.

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ajossorioarana.github.io

EXPERIENCE

EcoAqua - Chief of Technical Department
Feb. 2020 - Present
+ Diagnosed and treated customer's lakes for algae, weeds and water quality issues.
+ Implemented new budgeting process, based on limnological factors, incresing revenue by > 30%.
+ Worked together with COO, improving KPI performance, mainly client retention rate.

EcoAqua - Aquatic Specialitst
Jun. 2017 - Jan. 2020
+ Managed five 2-people teams to ensure all services are completed on schedule.
+ Serviced customer's lakes to provide superior quality and service in the fulfillment of all customer needs.
+ Deployed maintainance routine for vehicles and machinery, decreasing workflow interruptions by 40%.

UBA - Graduate Teaching Assistant (Course "Applied Hydraulics")
Aug. 2017 - Present
+ Been asigned to > 100 students, answering queries and grading assignments.
+ Aided professors in examinations and dictated several practical lectures.
+ Syllabus: Pressurized pipe flow, pump selection, water hammer, open channel flow and weir design.

Buenos Aires City Government - Bid/Tender Assistant
Jun. 2016 - May. 2017
+ Cash-flow and finance audit of IBRD-loan WASH project (Arroyo Vega Drainage Tunnel > $145M).
+ Elaboration of bidding documentation in accordance to IBRD norms and recommendations.

EDUCATION

M.SC. in Ecohydrology
UNLP - ABT, Expected Graduation Date: 2022

Engineer's degree, Civil Engineer
UBA - Graduated 2018

PROJECTS/PUBLICATIONS

EDA on Argentine lakes and reservoirs dataset
+ Python / Seaborn / EDA / CSV / DataViz
+ Polished, visualized and interpreted resultes of Argentine lakes dataset.
+ Obtained Carlson's trophic state index (TSI) for waterboides and presented relevant analysis.

Watershed delineation of Chimehuín river, Patagonia, Argentina
+ QGIS / GRASS
+ Developed map of Chimehuín river basin using processed DEM, with lakes and watercourses marked on it.
+ Created as part of dissertation about exotic willow (Salix fragilis) invasion of patagonian rivers.

>>>This resume was generated entirely in Python. For full sourcecode, view my portfolio.

Skills:
+ Python
+ Pandas
+ NumPy
+ Matplotlib
+ Seaborn
+ SQL
+ BigQuery
+ Git & GitHub
+ MS Excel
+ Power BI
+ QGIS
+ GRASS

Areas of interest:
+ Data Science
+ Data Analytics
+ Remote Sensing
+ Hydrology
+ Ecohydrology
+ Limnology
+ Hydraulics