Arturo J. Ossorio Arana

Data Scientist

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ABOUT ME

Passionate about harnessing data science solutions to tackle cross-functional projects, mainly related to water resources and freshwater ecosystems. I excel in helping organizations to understand and leverage the full potential of their data. Recognized for excellent communication skills combined with the ability to relate to people from diverse backgrounds. Always open for new challenges, and particularly interested in machine learning.

EXPERIENCE

Chief of Technical Department - EcoAqua

Feb. 2020 - Present | Buenos Aires, Argentina

+ Diagnosed and treated customer's lakes for algae, weeds and water quality issues.

+ Implemented new budgeting process, based on limnological factors, increasing revenue by > 30%.

+ Worked together with COO, improving KPI performance, mainly client retention rate.

Aquatic Specialist - EcoAqua

Jun. 2017 - Jan. 2020 | Buenos Aires, Argentina

+ 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%.

Graduate Teaching Assistant (Course "Applied Hydraulics") - UBA

Aug. 2017 - Present | Buenos Aires, Argentina

+ Been asigned to 100+ students, answering queries and grading assignments.

+ Aided professors in examinations and gave several practical lectures.

+ Syllabus: Pressurized pipe flow, pump selection, water hammer, open channel flow and weir design.

Bid/Tender Assistant - Buenos Aires City Government

Jun. 2016 - May. 2017 | Buenos Aires, Argentina

+ 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

Master of Science MSc., Ecohydrology (Part-time)

Universidad Nacional de la Plata (UNLP) - Thesis pending, Expected Graduation Date: 2022

Master of Engineering - MEng, Civil Engineer

Universidad de Buenos Aires (UBA) - Graduated 2018

PROJECTS/PUBLICATIONS

EDA on Argentine lakes and reservoirs dataset

+ Python / Seaborn / EDA / CSV / DataViz

+ Polished, visualized and interpreted results of Argentine lakes dataset.

+ Obtained Carlson's trophic state index (TSI) for waterbodies 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.