

# Arturo J. Ossorio Arana

## Ecohidrologist - Data Science and Analytics

### 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.

### 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, increasing revenue by > 30%.
- + Worked together with COO, improving KPI performance, mainly client retention rate.

#### EcoAqua - Aquatic Specialist

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 maintenance routine for vehicles and machinery, decreasing workflow interruptions by 40%.

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

Aug. 2017 - Present

- + Been assigned 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

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#### 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