

YVANNA SERRA

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EDUCATION

Master of Science in Environmental Engineering

Expected May 2024

University of Florida, Gainesville FL
Advisor: Dr. David Kaplan

Bachelor of Science in Civil Engineering

July 2022

Technological University of Panama, Panama - GPA of A (Cum laude)

- Main courses: Hydrology, fluid mechanics, hydraulics, Water and Wastewater Treatment, water supply and collection, hydrological and environmental measurements, climate change and sustainable development, hydraulic design, groundwater.

RESEARCH AND PROFESSIONAL EXPERIENCE

Graduate Research Assistant

August 2022-Present

University of Florida, USA

Research assistantship, CREHO Ramsar

September 2020-July 2022

Ramsar Regional Center for the Western Hemisphere
Panama, Panama

- Analyze the water balance of a Panama wetland
- Hydrological, environmental and climate change studies, hydrological modeling using HEC-HMS.

Teaching assistant

January 2022-March 2022

Technological University of Panama, Panama

- Teaching in the undergraduate laboratory courses of fluids mechanics, hydraulics, and soils mechanics.

PRESENTATIONS

Serra, Y., A. Santamaria, C. De Leon, JR. Fabrega, D. Kaplan | "Water balance of Cienaga de las Macanas wetland" | JASM 2022 | Oral Presentation

Serra, Y., A. Santamaria, C. De Leon and JR. Fabrega | "Impact of climate variability on the water balance of Cienaga de las Macanas wetland" | Apanac 2021 | Virtual Presentation

SKILLS AND AWARDS

Languages

- Spanish: Native
- English: Fluent

Computer programs

HEC-HMS, HEC-RAS QGis, ArcMap, ArcGIS, Autodesk Civil 3D, Autodesk AutoCAD, EPANET, Revit, Visual Studio, Microsoft Office (Excel, Word, Power Point, among others).

Awards

- Certificate of Merit as a member of the Honorary Chapter in the Technological University of Panama. (2021)
- Certificate of recognition in the research category in the Technological University of Panama. (2021)