JAVIER PATRON MARTINEZ-FEDUCHY

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EDUCATION

Master of Environmental Data Science (June 2023)
Bren School of Environmental Science & Management – University of California, Santa Barbara (UCSB)
Highlighted Coursework: Environmental Policy Evaluation, Carbon Footprint & Accounting, Geospatial Analysis and Remote Sensing, Machine Learning in Environmental Science, Data Visualization and Communication, Modeling Environmental Systems.

Bachelor of Mechanical and Electrical Engineering (December 2017)
Universidad Iberoamericana, Mexico City
Study Abroad: UNSW Sydney, Australia.
Highlighted Coursework: Sustainability and Energy Efficiency, Computerized Innovation and Design, The Marine Environment, Global Finance, Process Technology, and Automation.

SKILLS & RECOGNITIONS

Programming, Coding, & Data Analysis: R, Python, GitHub; *Familiar* with C++, HTML.
Programming Environments: RStudio, Google Earth Engine, Visual Studio Code, Jupyter Notebooks.
Technical Coding Skills: Geospatial Analysis and Remote Sensing, Data Analysis & Statistics, Machine Learning.
GE Company Award: Nominated as "Best Digital Worker" who embraced digital deployment in the region as an overachiever and a role model.

MASTER´S CAPSTONE DATA SCIENCE PROJECT

Developing a Data Pipeline for Kelp Forest Management and Cultivation (*1/23 – 6/23*)
Role: Researcher and Data Scientist │ Client: Ocean Rainforest & UCSB
- Synthesize existing data sets from the Santa Barbara Channel to analyze spatial and temporal patterns of kelp variables.
- Generate a dynamic, interactive, and open-source, data pipeline for running a geospatial model and identify locations where kelp productivity and growth can be optimized for kelp restoration projects in the future.

EXPERIENCE

Environmental Data Analyst – Silvestrum Climate Associates, remote (7/23 – Present)
- Specialized in carbon finance and environmental carbon accountability, responsible for promoting global carbon finance initiatives through the strategic utilization of methodologies and techniques.
- Collaborating with scientists, stakeholders, and government officials to enhance Silvestrum's environmental data analysis capabilities while actively participating in fieldwork, worldwide projects, and international workshops.

Intern, Data Project Manager – Silvestrum Climate Associates, remote (1/23 – 6/23)
- Focusing on carbon accounting methodologies, statistical modeling, and empirical analysis for blue carbon ecosystems and carbon initiatives.
- Collaborating with a diverse team of experts in carbon science, land use management, and remote sensing, contributing to analysis, report writing, and project development and implementation.

Intern, Collaboration with Center of Biodiversity and Conservation – UCSD, BCS, Mexico (5/22 – 8/22)
- Bridged data science and management with an open-source integrated workflow for MPAs.
- Developed a QR data-driven project mechanism to extract current MPA biodiversity health data from recreational divers.

Customer Support Lead – Current by GE, Mexico City, Mexico (6/20 – 7/21)
Global commissioning and tech-support team leader for GE Current´s smart controls software.
- Manager of the global tech-support team of 18 pax. Head of procedures to sustain the new business strategy software and increase their IoT and AI solutions capability.
- USD $5.8M in revenue recognition.
- Technical leader for GE Current´s largest gateway programming implementation for energy efficiency and IoT, AI software in over 1250 stores across Mexico.

Digital Project Manager – Current Powered by GE, Mexico City, Mexico (2/18 – 6/20)
Lead as a consultant and project manager for all Latin America Turn-Key digital projects.
- Sole LatAm digital resource for the lighting control software implementation. Internal and external training, solutioning/ troubleshooting, and support for all current and completed projects.
- Client´s POC and project coordinator for third-party contractors, report project status, budget, and risks to GE leadership (LatAm, USA, AUS).

Projects Intern – General Electric, Mexico City, Mexico (5/17 – 2/18)
Project Management Intern / Order to Remittance team
- Hand out weekly reports with the installation contractor, and field quality checks for the installation process.
- GE Lean Challenge competitor leveraging savings based on storage volume and shipment times

ADDITIONAL EXPERIENCE

Coral Farming – Corals 4 Conservation, Mamanuca Islands, Fiji (9/21 – 11/21)
Volunteering program to maintain, analyze and grow the coral nursery tables and mangrove reforestation programs with local marine biologists. Replanted over 500 corals with transects data practices.

Yachting, Pacific Ocean (7/21 – 9/21)
Sailed across the Pacific Ocean as Pro-Sailor in a 52ft racing boat, as a Team Manager, Tactician, and Watch captain. Participated in 3 international offshore regattas (CaboRace, SoCal300, Transpac Regatta).

ADDITIONAL SKILLS AND CERTIFICATIONS

Languages: Fluent in English and Spanish
Certifications: PADI Rescue Diver, Mexican Yacht Skipper License, Emergency First Respond & CPR certifications, Public Speaking, Advance Speed Reading, and Concepts
Citizenships: Mexican & Spanish
Other: Authorized to work for any US employer (no sponsorship required)