JAVIER PATRON MARTINEZ-FEDUCHY

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EDUCATION

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

Bachelor of Mechanical and Electrical Engineering, 3.6 GPA (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, SQL, 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 Visualization, 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 Geospatial Model for Kelp Forest Management and Restoration (*1/23 – Present*)
Role: Research and Data Scientist │ Client: Ocean Rainforest
- 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, geospatial model to identify locations where kelp productivity and growth are optimized with the goal of identifying sites for kelp restoration in the future.

EXPERIENCE

Intern, Collaboration with Center of Biodiversity and Conservation – UCSD, BCS, Mexico (6/22 – Present)
- 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 – 7/22)
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 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
Citizenships: Mexican & Spanish
Other: Authorized to work for any US employer (no sponsorship required)