

# Laura Rivera

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## *Objective:*

Driven engineering professional with six years of experience spanning project management, strategic transformation, and engineering innovation across global energy projects. I aim to merge my technical know-how with business strategy, positioning myself at the forefront of advancements in the evolving energy sector.

## *Professional Experience:*

### **Graduate Research Assistant | Webber Energy Group (University of Texas at Austin) | Austin, TX, US | January 2024 – Present**

- Supporting the team's hydrogen research initiative by conducting techno-economic analysis to assess the feasibility of hydrogen production pathways
- Partnered with University of Texas at Austin Center for Electromechanics to evaluate the life cycle emissions of various hydrogen production pathways and determine eligibility for the Inflation Reduction Act (IRA) 45V Clean Hydrogen Production Tax Credit

### **Senior Project Manager | EthosEnergy | Houston, TX, US | April 2022 – June 2023**

- Successfully managed a portfolio of service projects for the Houston Service Shop valued at \$28 million in yearly revenue, delivering 95% of projects on time and meeting the gross margin goal for the year.
- Led a team of 3 project managers monitoring timely delivery of projects, budget performance, contract fulfillment, and customer satisfaction while fostering a collaborative environment and developing team competency.
- Revamped project management procedures to integrate product teams and optimize the order-to-release process for gas turbines, centrifugal compressors, and steam turbines.
- Served as the primary liaison for customers from contract award to project completion, overseeing:
  - Creation of planning documents and schedules.
  - Presentation and negotiation of change orders.
  - Management of all customer communications, reporting, and status updates.
  - Coordination of contract deliverables with internal teams, customers, vendors, and subcontractors.

### **Transformation Leader, Western Hemisphere | EthosEnergy | Houston, TX, US | November 2021 – April 2022**

- Partnered with senior leadership for the Western Hemisphere to align transformational plans and goals with the company's strategic vision.
- Coordinated and supported leadership workshops working alongside the transformation consultant to develop the transformation strategy and quantify business impact.
- Monitored progress of transformational plans with senior leaders with bi-weekly report out to the C-suite executive team
- Supported the SVP of Sales and VP of Commercial in restructuring sales to a regional model and transitioning commercial operations to a product-centric approach, enhancing customer relationships, ensuring swift response to market shifts, and maintaining alignment with up-to-date product expertise.

### **Senior Strategic Projects Analyst | EthosEnergy | Houston, TX, US | June 2020 – November 2021**

- Supported and drove high-priority corporate projects that required intensive analysis and execution.
- Collaborated with cross-functional teams to gather data and deliver actionable insights that inform key business decisions.
- Led an initiative to standardize cost models for steam turbine inspections, aiming to benchmark cost estimates against actual expenditures to facilitate performance tracking and expedite the quotation process.

### **Repair Engineer, Steam Turbines & Centrifugal Compressors | EthosEnergy | Houston, TX, US | March 2020 – June 2020**

- Reviewed the initial inspection findings, recommended repair solutions based on these findings, and led the technical support of the repair solution throughout its execution until final inspection.

- Prepared route tags (job travelers) and issued repair drawings, welding procedures, and work instructions to outside vendors and the workshop to execute repair solutions.

**Graduate Engineer, International Rotation Program | EthosEnergy | Various Locations | March 2018 – March 2020**

**Rotation 4: Project Engineer | Shanahan Engineering | Middlesbrough, UK | September 2019 – March 2020**

- Managed on-site electrical team's technical queries and conducted bi-weekly client meetings to address issues, allocate resources, and negotiate technical and commercial resolutions in collaboration with internal teams.
- Achieved a reduction in resolution turnaround time by 40% in three months, fostering a collaborative client relationship, enhancing the team's proactive problem-solving, and reducing project delays.

**Rotation 3: Commercial Associate | GT Americas, Major Maintenance | Alpharetta, GA, USA | March 2019 – September 2019**

- Initiated a parts interchangeability database to streamline inquiries for advanced part manufactured (APM) replacements for OEM capital parts.
- Engaged in the full lifecycle of long-term service agreements (LTSAs) for gas turbine maintenance, from inquiry and proposal generation to contract negotiation and turnover.

**Rotation 2: Development Engineer | Accessories & Components | East Windsor, CT, USA | September 2018 – March 2019**

- Led a 3-member engineering team focused on the repair development of a new product line, overseeing the development of parts using additive manufacturing, repair method testing, and project management.
- Executed improvements for the facility's wastewater treatment system, integrating PLC programming, operational bug fixes, fail-safes, and technical documentation.

**Rotation 1: Development Engineer | Light Turbines | Houston, TX, USA | March 2018 – September 2018**

- Led the plan, design, fabrication, and installation for a parallel gas fuel system to improve test effectiveness for low emissions gas turbines and introduce test capability for ultra-low emissions units.

*Education:*

B.S. Mechanical Engineering | University of Texas at Austin | Austin, TX, US | December 2017

M.S. Mechanical Engineering | University of Texas at Austin | Austin, TX, US | May 2027 Candidate

MBA | University of Texas at Austin | Austin, TX, US | May 2027 Candidate

*Skills:*

Project Management, Team Leadership, Strategic Transformation and Planning, Stakeholder Communication, Technical Expertise, Rotating Equipment Services, Risk Assessment & Resolution, Product Development

*Training, Awards, and Certifications:*

- Project Management Academy Fundamentals | February 2023 – May 2023
- EthosEnergy – Leadership Excellence Program Completion (LE01) | July 2022 – December 2022
- EthosEnergy CEO Award | January 2021
- ASME Turbomachinery Dynamics: Design and Operations Course | June 2018
- TriMech SolidWorks Essentials (Part 1) & Advanced Parts Modeling (Part 2) | October 2018, January 2019
- EOS® M 290 DMLS 3D Printer: Operation, Parameter Editing, Reference Calibration | March 2018

*Languages:*

English: C2 Proficient User (CEFR), Spanish C1 Proficient User (CEFR), German B1 Independent User (CEFR)