

Arturo Eduardo Tona Valiente

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EDUCATION

Texas A&M University, Mays Business School College Station, Texas
Master of Business Administration May 2028

Texas A&M University, College of Engineering College Station, Texas
Bachelor of Science in Chemical Engineering May 2024
Minor in Business, Certificate in Engineering Therapeutics Manufacturing GPA: 3.17/4.0

Universidad Centroamericana José Simeón Cañas San Salvador, El Salvador
Course in Project Management November 2025

EXPERIENCE

Grupo CASSA (Compañía Azucarera Salvadoreña) Sonsonate, El Salvador
Process Engineer October 2024 – July 2026

- Led the engineering design and execution of a \$2.1M capital project to install two Vacuum Belt Filters and supporting equipment, coordinating cross-functional stakeholders across eight departments.
- Delivered the project \$180K under budget (\$1.92M vs. \$2.1M) and on schedule, with commissioning pending prior to the next harvest and an expected 4.5-year payback period.
- Automated Excel-based production reporting through Power BI dashboards, providing real-time operational visibility while improving data accessibility and reliability for plant leadership.
- Proposed and implemented process improvements during annual maintenance shutdowns, generating \$80K in annual savings through reduced steam and sugar losses and optimized chemical consumption.
- Led process optimization initiatives focused on key KPI Estimated Recoverable Sugar (ARE) by reducing sugar losses in filter cake, final molasses, and bagasse, contributing to 100% fulfillment of the plant's operational performance targets during the 2025/2026 harvest season.

Sherwin-Williams Central America San Salvador, El Salvador
Analytical Chemistry Intern May 2023 – July 2023

- Developed and validated 25 chemometric models for Near-Infrared (NIR) spectroscopy, expanding the laboratory's predictive model portfolio by 65%.
- Improved analytical accuracy of existing models by over 25%, accelerating quality approvals for raw materials and finished products.
- Reduced sample testing time 96%, from 2 hours to 5 minutes, by implementing Near-Infrared (NIR) spectroscopy, eliminating chemical reagents and accelerating operational decision-making.

LEADERSHIP & INVOLVEMENT

Capital Men's Society College Station, Texas
Internal Relations Chair January 2022 – May 2024

- Organized 10+ events annually for 80+ members, managing logistics, scheduling, and event coordination to support strong member participation.
- Managed \$20,000+ annual budget for organizational events and activities across leadership and development events, while remaining within the budget.

International Students Mentor Association (ISMA) College Station, Texas
Student Mentor August 2023– May 2024

- Mentored international students by connecting them to resources, answering questions, organizing activities, or helping them navigating campus to help them get acclimated to Texas A&M.

SKILLS, ACTIVITIES & INTERESTS

Languages: Fluent in Spanish (Maternal Language)

Technical Skills: Python, MATLAB, ASPEN, PROMAX, Microsoft Excel, SUGARS, Power BI

Certifications & Training: PADI Rescue Diver, FRT in Adult and Child Emergency Care.