

# Tomas Brenes

(603) 266-8950 | tomas.i.brenes.corrales.th@dartmouth.edu | [LinkedIn](#)

## EDUCATION

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### Dartmouth College

Hanover, NH

Master of Engineering Management

Graduation Date: December 2024

A collaborative program between Thayer School of Engineering and Tuck School of Business.

- Technical Project Management, Operations Management, Implementing Strategy, Marketing, Strategic Leadership, Product Management for Technology, Product Design & Development, Data Analytics (R & Tableau).

### St. Mary's University

San Antonio, TX

Bachelor of Science in Industrial Engineering

Graduated: May 2020

## SKILLS / TOOLS / CERTIFICATIONS / LANGUAGES

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**Skills:** Project Management, Data Analytics, Computer Design, Data Visualization, Automation, Team Management, Process Improvement, Accounting & Finance, Video Editing, Communication & Presentation

**Tools:** Monday.com Platform (similar to Jira), Jira, Salesforce, Tableau, CRM, AutoCAD, Minitab, Microsoft Suit, SolidWorks, ProModel, Movavi Video Editor

**Certifications:** Lean Six Sigma Green Belt (2023), Product Management First Steps (2023), NABCEP PVIP (2022)

**Languages:** English (native), Spanish (native), Python (beginner), R (intermediate), SQL (beginner)

## WORK EXPERIENCE

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### Atma Energy

San Antonio, TX

Solar Project Engineer

November 2021 – August 2023

- Successfully led over 250 solar projects valued at \$50,000-\$200,000, highlighting strong design and teamwork skills.
- Streamlined PV construction plan processes by implementing an AutoCAD template, resulting in a ~40% reduction in turnaround time and enhanced quality.
- Educated incoming engineering interns in using Aurora Solar, Scanifly, and AutoCAD for efficient blueprint creation.
- Analyzed Texas' deregulated electric markets to identify cost-saving providers for customers.
- Crafted accurate energy production analyses on Excel to optimize PV System sizing according to customer consumption.
- Utilized innovative drone technology to generate 3D models of buildings, tailoring PV systems to customers' specifics.

### Allios

San Antonio, TX

Supply Chain Associate

April 2021 – November 2021

- Oversaw \$1.5M inventory for AT&T, T-MOBILE, and Verizon cell tower construction and maintenance.
- Developed a process for efficient delivery of replacement cell tower radios, ensuring operational continuity.
- Employed Salesforce for accurate inventory management, adjusting quantities post-cycle counts to assess losses.
- Coordinated purchase and sales orders with vendors and suppliers via Salesforce, maintaining cost tracking efficiently.

### Atma Energy

San Antonio, TX

Design Engineer

December 2020 – April 2021

- Partnered in designing approximately 50 residential photovoltaic (PV) systems using Aurora Solar.
- Developed market-competitive customer proposals using Aurora Solar and Excel, focusing on financial considerations.
- Supported project managers by analyzing contractor quotes, focusing on cost and logistics, to ensure top quality delivery.

### The Summit Group Advisors

San Antonio, TX

Research Analyst

June 2020 – December 2020

- Conducted research and analysis on various publicly traded companies to recommend potential purchase opportunities.
- Executed diverse buy/sell orders via Interactive Brokers Workstation, aiming to secure client profits.

## PROJECT EXPERIENCE

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### Dartmouth College & CleanPlanet Chemical

Hanover, NH

Student Consultant

September 2023 – November 2023

- Explored potential solutions and enhancements for the existing microcontroller in a product line.
- Offered recommendations for addressing hardware and software limitations in microcontrollers.

### American Production Inventory and Control Society

San Antonio, TX

Secretary

August 2019 – May 2020

- Coordinated meetings and events, monitored club objectives progress, and managed the annual budget.