

# Antonio Camacho

|(972)-971-6718| antoniocamachotx@gmail.com | linkedin.com/in/antonio-camacho-79aa5b2a3/

## Skills

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**CAD:** SolidWorks, PTC Creo, AutoCAD

**Analysis:** Ansys, MATLAB

**Programming Languages:** C, C++, Python, R

## Experience

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**Merchandise Stocker**, Costco Wholesale – Lewisville, TX

November 2023 – March 2025

- Delivered consistent customer service while assisting members with product inquiries.
- Replenished and merchandised inventory to maintain accurate stock levels.
- Safely operated forklifts and electric pallet jacks to transport goods.
- Maintained a clean, organized, and operational sales floor to support daily business needs.

## Projects

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**Landscaping Robot With Edge Trimming**

May 2025 – December 2025

- Developed an edge-trimming mounting system for a quadruped landscaping robot
- Designed and integrated an IP-54 rated enclosure to house and protect electrical components
- Engineered a motor control trigger bypass and a camera feedback mechanism to remotely control trimmer
- Applied CAD modeling to 3D printing to minimize assembly weight and optimize structural balance

## Project Title

## Education

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**The University of Texas at Dallas** – BS in Mechanical Engineering

December 2025