

# Sebastian Villa Cuellar



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## OBJECTIVE

Seeking Full-Time Opportunities in Dynamic Robotics Applications and Interdisciplinary Engineering

## EDUCATION

**Texas A&M University**, College Station, Texas

May 2023

Bachelor of Science in Interdisciplinary Engineering - Robotics Focus

**GPA: 3.93**

- Graduated with **Engineering Honors** and **Summa Cum Laude**
- Major ITDE Coursework: ME, EE, CS, and MXET
- Minors in Control of Mechanical Systems and Electrical Engineering

## WORK EXPERIENCE

**Beckhoff Automation LLC**, Savage, Minnesota

Jun 2022 - Present

**Associate Application Engineer**, Los Angeles, CA, Jan 2024 - Present

- Supporting customers Pre- and Post-Sales with controls solutions and expertise

**Talent Development Associate**, Savage, MN, Jun 2023 - Dec 2023

- 1 of 6 engineers in pilot Sales Team Rotation Program across the USA

**Industrial Automation Engineering Internship**, Houston, TX, Jun 2022 - Aug 2022

- Shadowing Sales, Application, and Training Engineers implementing **TwinCAT** and Beckhoff Hardware with over **20** customer applications
- Engaged with the Development of a Process Library with Beckhoff Germany

## RELEVANT EXPERIENCE

**TAMU RoboMasters**, Texas A&M University

Jan 2020 - May 2023

**Embedded Systems Team**, Aug 2021 - May 2023

- Build and maintain codebases for all robots with **C++** using **Git** & VS LiveShare

**Standard Robot Design and Fabrication Team**, Jan 2020 - Jan 2022

- Full **CAD** design and fabrication with SolidWorks and OnShape for International intercollegiate competitions

## SELECTED LEADERSHIP

**CISV International - [cisv.org](https://www.cisv.org)**

Jun 2012 - Present

**Junior Branch Advisor**, SoCal Chapter, Feb 2024 - Jun 2025

- Coordinated local activities for CISV youth with local Board members

**Treasurer**, DFW Chapter, Jul 2017 - Jun 2019

- Oversaw funds and merchandise for local activities with about \$600 per event
- Managed legal paperwork preventing potential international-scale **lawsuits**

**Seminar DFW/USA Chapter Delegate**, San Salvador, El Salvador, Jul 2019

- Discussing changing world conditions and solutions to controversial issues

**TAMU InterDisciplinary Engineering Association (IDEA)**

Sep 2021 - Present

**Co-Vice President & Founding Member**, Sep 2021 - May 2023

- Established a professional society for Interdisciplinary Engineers at Texas A&M

**ITDE Student Ambassador**, Oct 2021 - Present

- Actively offer insight and guidance as Student Role model for Major/Department

**FRC Robotics - Team 5417 Eagle Robotics**, Allen High School

Aug 2015 - Jun 2019

**FIRST Worlds Expositions: Public Presenter**, Houston, TX, Apr 2019

- Led a 45 min **interactive** presentation on Expanding Community & Innovative Outreach for Robotics Teams

## HONORS AND EXPERIENCE

**Dean's Honor Award**, Texas A&M University College of Engineering

Fall 2020 - May 2023

- Semester Recognition for Outstanding Academic Achievement in 15 credit hours

**CollegeBoard's National Merit Hispanic Scholar**

Sep 2018

- Awarded a **\$14k** scholarship based on GPA and PSAT score, \$1750 per semester

## SKILLS QUALITIES & INTERESTS

**Qualities:** Eager to Learn, Dedicated, Seeks Additional Responsibilities, Team Player

**Software:** TwinCAT, StucturedText, Git, SolidWorks, C/C++, Python, ROS, Julia, MATLAB, Simulink, HTML, Microsoft Office, Microsoft Dynamics, LaTeX, LabVIEW

**Bilingual:** Fluent In English and Spanish

**Interests:** Social Dancing, Trying New Things, Boulderling, Robotics, Cello, UI/UX Design

## COMMUNITY SERVICE

**Volunteering**

**Self-Directed Peer Tutoring and Mentoring**, 2013 - Present

**Robotics Referee volunteering**, RoboMasters and FIRST Robotics

**Underprivileged Community Assistance**