

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	Bachelor of Science in Interdisciplinary Engineering - Robotics Focus	May 2023 GPA: 3.93
		<ul style="list-style-type: none">Graduated with Engineering Honors and Summa Cum LaudeMajor ITDE Coursework: ME, EE, CS, and MXETMinors in <u>Control of Mechanical Systems</u> and <u>Electrical Engineering</u>	
WORK EXPERIENCE	Beckhoff Automation LLC , Savage, Minnesota	Associate Application Engineer, Los Angeles, CA, Jan 2024 - Present	Jun 2022 - Present
		<ul style="list-style-type: none">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	<ul style="list-style-type: none">Shadowing Sales, Application, and Training Engineers implementing TwinCAT and Beckhoff Hardware with over 20 customer applicationsEngaged 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	<ul style="list-style-type: none">Build and maintain codebases for all robots with C++ using Git & VS LiveShare	
	Standard Robot Design and Fabrication Team , Jan 2020 - Jan 2022	<ul style="list-style-type: none">Full CAD design and fabrication with SolidWorks and OnShape for International intercollegiate competitions	
SELECTED LEADERSHIP	CISV International - cisv.org		Jun 2012 - Present
	Junior Branch Advisor , SoCal Chapter, Feb 2024 - Jun 2025	<ul style="list-style-type: none">Coordinated local activities for CISV youth with local Board members	
	Treasurer , DFW Chapter, Jul 2017 - Jun 2019	<ul style="list-style-type: none">Oversaw funds and merchandise for local activities with about \$600 per eventManaged legal paperwork preventing potential international-scale lawsuits	
	Seminar DFW/USA Chapter Delegate , San Salvador, El Salvador, Jul 2019	<ul style="list-style-type: none">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	<ul style="list-style-type: none">Established a professional society for Interdisciplinary Engineers at Texas A&M	
	ITDE Student Ambassador , Oct 2021 - Present	<ul style="list-style-type: none">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	<ul style="list-style-type: none">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	
		<ul style="list-style-type: none">Semester Recognition for Outstanding Academic Achievement in 15 credit hours	
	CollegeBoard's National Merit Hispanic Scholar	Sep 2018	
		<ul style="list-style-type: none">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, StructuredText, 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, Bouldering, 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		