

# Sebastian Villa Cuellar



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<b>OBJECTIVE</b>	<b>Seeking Full-Time Opportunities in Dynamic Robotics Applications and Interdisciplinary Engineering</b>	
<b>EDUCATION</b>	<b>Texas A&amp;M University</b> , College Station, Texas Bachelor of Science in Interdisciplinary Engineering - Robotics Focus <ul style="list-style-type: none"><li>Engineering Honors</li><li>Major ITDE Coursework: ME, EE, CS, and MXET</li></ul>	May 2023 <b>GPA: 3.94</b>
<b>WORK EXPERIENCE</b>	<b>Beckhoff Automation LLC</b> , Savage, Minnesota <i>Industrial Automation Engineering Internship</i> , Houston, TX, Jun 2022 - Aug 2022 <ul style="list-style-type: none"><li>Shadowing Sales, Application, and Training Engineers implementing <b>TwinCAT</b> and Beckhoff Hardware with over <b>20</b> customer applications.</li><li>Engaged with the Development of a Process Library with Beckhoff Germany</li></ul>	Jun 2022 - Present
<b>RELEVANT EXPERIENCE</b>	<b>TAMU RoboMasters</b> , Texas A&M University <i>Embedded Systems Team</i> , Aug 2021 - Present <ul style="list-style-type: none"><li>Build and maintaining codebases for all robots with <b>C++</b> using Git &amp; VS LiveShare</li></ul> <i>Standard Robot Design and Fabrication Team</i> , Jan 2020 - Jan 2022 <ul style="list-style-type: none"><li>Full <b>CAD</b> modeling and Fabrication with SolidWorks and OnShape for International intercollegiate competitions</li></ul>	Jan 2020 - Present
<b>SELECTED LEADERSHIP</b>	<b>TAMU InterDisciplinary Engineering Association (IDEA)</b> <i>Co-Vice President &amp; Founding Member</i> , Sep 2021 - Present <ul style="list-style-type: none"><li>Established a professional society for Interdisciplinary Engineers at Texas A&amp;M</li></ul> <i>ITDE Student Ambassador</i> , Oct 2021 - Present <ul style="list-style-type: none"><li>Student Role model for the ITDE Major and MTDE Department</li><li>Actively offer insight and guidance to interested Transfer and Freshman Students</li></ul> <b>CISV International - <a href="http://cisv.org">cisv.org</a></b> <i>Treasurer</i> , DFW Chapter, Jul 2017 - Jun 2019 <ul style="list-style-type: none"><li>Oversaw funds and merchandise for local activities with about \$600 per event</li><li>Managed legal paperwork preventing potential international-scale <b>lawsuits</b></li></ul> <i>Seminar DFW/USA Chapter Delegate</i> , San Salvador, El Salvador, Jul 2019 <ul style="list-style-type: none"><li>Discussing changing world conditions and solutions to controversial issues</li></ul> <b>FRC Robotics - Team 5417 Eagle Robotics</b> , Allen High School <i>FIRST Worlds Expositions: Public Presenter</i> , Houston, TX, Apr 2019 <ul style="list-style-type: none"><li>Led a 45 min <b>interactive</b> presentation on Expanding Community &amp; Innovative Outreach for Robotics Teams</li></ul> <b>Rec-League Basketball Team</b> , Allen Sports Authority <i>Team Captain &amp; Founder</i> , Allen, TX, Jun 2015 - May 2019 <ul style="list-style-type: none"><li>The Chicken Noodle Hoops</li></ul>	Sep 2021 - Present Jun 2012 - Present Aug 2015 - Jun 2019 Jun 2015 - May 2019
<b>HONORS AND EXPERIENCE</b>	<b>Dean's Honor Award</b> , Texas A&M University College of Engineering <ul style="list-style-type: none"><li>Semester Recognition for Outstanding Academic Achievement in 15 credit hours</li></ul> <b>CollegeBoard's National Merit Hispanic Scholar</b> <ul style="list-style-type: none"><li>Awarded a <b>\$14k</b> scholarship based on GPA and PSAT score, \$1750 per semester</li></ul>	Fall 2020 - Present Sep 2018
<b>SKILLS QUALITIES &amp; INTERESTS</b>	<b>Qualities:</b> Eager to Learn, Dedicated, Seeks Additional Responsibilities, Team Player. <b>Skills:</b> TwinCAT, SolidWorks, C/C++, Python, ROS, Julia, MATLAB, Simulink, HTML, Github, StucturedText, Microsoft Dynamics, LaTeX, Microsoft Office, Adobe Fireworks, KiCAD, AutoCAD, LabVIEW, Multisim, Keil, Verilog HDL, Carla. <b>Interests:</b> Robotics, Swing Dancing, Rock Climbing, Cello, The Cosmere, UI/UX Design.	
<b>COMMUNITY SERVICE</b>	<b>Volunteering</b> <i>Self-Directed Peer Tutoring</i> , 2013 - Present <i>Robotics Referee volunteering</i> , RoboMasters and FIRST Robotics <i>Underprivileged Community Assistance</i>	