|  |
| --- |
| **Sebastian Villa Cuellar** |
| Suburban scene with solid fill DFW/College Station, TX Email with solid fill sebvc@tamu.eduUi Ux with solid fill[tx.ag/sebvc](https://tx.ag/sebvc) Speaker phone with solid fill+1 (214) 585-9986 |
| **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* Graduated with **Engineering Honors** and **Summa Cum Laude**
* Major ITDE Coursework: ME, EE, CS, and MXET
* Minors in [Control of Mechanical Systems](https://catalog.tamu.edu/undergraduate/engineering/mechanical/control-mechanical-systems-minor/) and [Electrical Engineering](https://catalog.tamu.edu/undergraduate/engineering/electrical-computer/electrical-minor/)
 | GPA: 3.93 |
| **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 maintaining codebases for all robots with **C++** using Git& VS LiveShare

*Standard Robot Design and Fabrication Team,* Jan 2020 – Jan 2022* Full **CAD** modeling and Fabrication with SolidWorks and OnShape for International intercollegiate competitions
 |
| **SELECTED LEADERSHIP** | **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* Student Role model for the ITDE Major and MTDE Department
* Activelyoffer insight and guidance to interested Transfer and Freshman Students
 |
| **CISV International -** [**cisv.org**](https://cisv.org/) | Jun 2012 – Present |  |
| *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
 |
| **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
 |
| **HONORSAND 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 |  |
| **Skills:** | 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 |
| **Bilingual:** | Fluent In English and Spanish |  |
| **Interests:** | Robotics, Swing Dancing, Rock Climbing, Cello, The Cosmere, UI/UX Design |  |
| **COMMUNITY SERVICE** | **Volunteering***Self-Directed Peer Tutoring,* 2013 – Present  |  |
| *Robotics Referee volunteering,* RoboMasters and FIRST Robotics |  |
| *Underprivileged Community Assistance* |  |