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| **Sebastian Villa Cuellar** | | | | | | | | |
| Suburban scene with solid fill DFW/College Station, TX [Email with solid fill sebvc@tamu.edu](mailto:sebvc@tamu.edu?subject=From%20Resume:%20)Ui Ux with solid fill[tx.ag/sebvc](https://tx.ag/sebvc) Speaker phone with solid fill[+1 (214) 585-9986](tel:214+585+9986) | | | | | | | | |
| **OBJECTIVE** | Seeking Internships 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   * Engineering Honors * Major ITDE Coursework: ME, EE, CS, and MXET | | | | | | GPA: 3.93 |
| **WORK EXPERIENCE** | **Beckhoff Automation LLC,** Savage, Minnesota | | Jun 2022 – Present | | | | |  |
| *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 – Present | | | | |  |
| *Embedded Systems Team,* Jun 2022 – Aug 2022   * Building and maintaining codebases for all robots with **C++** using Keil & Taproot   *Standard Robot Design and Fabrication Team,* Jan 2020 – Present   * 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 – Present   * 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 | | | | | | |
| **Rec-League Basketball Team,** Allen Sports Authority | | | Jun 2015 – May 2019 | | | |  |
| *Team Captain & Founder,* Allen, TX, Jun 2015 – May 2019   * The Chicken Noodle Hoops | | | | | | |
| **HONORS AND EXPERIENCE** | **Dean’s Honor Award,** Texas A&M University College of Engineering | | | | | Fall 2020 – Present | |  |
| * 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, Stuctured Text, Microsoft Dynamics, LaTeX, Microsoft Office, Adobe Fireworks, KiCAD, SolidEdge, AutoCAD, LabVIEW, Multisim, Keil, Verilog HDL, Carla. | | | | | |
|  | **Interests:** | 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* | | | | | | |  |