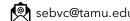
Sebastian Villa Cuellar









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

EDUCATION

Texas A&M University, College Station, Texas

May 2023 GPA: 3.93

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 and Electrical Engineering

WORK **EXPERIENCE**

Beckhoff Automation LLC, Savage, Minnesota

Jun 2022 - Present

Talent Development Associate, Savage, MN, Jun 2023 - Present

 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 - Present

Embedded Systems Team, Aug 2021 - Present

- 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 - 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
 - Actively offer insight and guidance to interested Transfer and Freshman Students

CISV International - 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

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.

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

Skills:

Self-Directed Peer Tutoring, 2013 - Present **Robotics Referee volunteering, RoboMasters and FIRST Robotics** Underprivileged Community Assistance