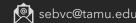
# Sebastian Villa Cuellar









#### **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

**GPA: 3.93** 

- Engineering Honors
- Major ITDE Coursework: ME, EE, CS, and MXET

#### 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
  - 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

**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

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, Stuctured Text, Microsoft Dynamics, LaTeX, Microsoft Office, Adobe Fireworks, KiCAD, SolidEdge, AutoCAD, LabVIEW, Multisim, Keil, Verilog HDL, Carla.

Swing Dancing, Rock Climbing, Cello, The Cosmere, UI/UX Design. Interests:

#### COMMUNITY **SERVICE**

## Volunteering

Skills:

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