

# Raul Chavez-Arellano

Responsible. Articulate. Exemplary.

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## EDUCATION

**MAY 2027**

**University of Texas at San Antonio** 2023-2027  
Bachelor of Science - Honors 1 UTSA Circle,  
Mechanical Engineering San Antonio, TX 78249  
GPA: 3.74

**MAY 2023**

**Collegiate High School** 2019-2023  
High School Diploma 101 Baldwin Blvd,  
Summa Cum Laude Corpus Christi, TX 78403

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## SKILLS & CERTIFICATIONS

- SOLIDWORKS ASSOCIATE - Mechanical Design
- Onshape.com CAD Program Proficiency
- STEM Endorsement, Collegiate High School
- Business & Industry Endorsement, Collegiate High School
- Microsoft Office Specialist Word 2016
- Microsoft Office Specialist Excel 2016

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## WORK EXPERIENCE

Collegiate High School INTERNSHIP  
Sep 2022 - May 2023 *FIRST Robotics Mentor*

- Introduced more than 50 new students to our robotics team
- Facilitated 10+ STEM events/assemblies including:
  - 5 Computer Aided Design workshops using Onshape.com
  - School spirit assemblies
  - Other STEM events
- Represented my team at the state, national, and international level including:
  - *FIRST in TEXAS*
  - *FIRST CHAMPIONSHIP 2023*
- Facilitated coaching efforts in more than 5 qualification events

Collegiate High School BOARD - Parliamentarian  
Aug 2021 - May 2022 *Helping Inspire Peers (H.I.P.) Dual Credit Course Mentorship*

- Founding member of high school/college mentorship program
  - Showcased strategies for effective college transition at 10+ presentations including:
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- Studying skills
  - Communicating with professors
  - Time management
  - Career development
  - Facilitated mentor/mentee pairing among underclass and upperclassmen high school students enrolled in dual credit courses
  - Managed organization website and updated speaker and community events

Collegiate High School BOARD - President

September 2022 - May 2023 *Collegiate HS Mu Alpha Theta 2022-2023 Chapter*

- Organized STEM volunteering efforts at 3 elementary schools
- Managed induction of 30 new members
- Hosted math-themed holiday events & school spirit

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## HONORS

UTSA Honors College, 2023 -

- College Board National Hispanic Recognition Program 2022-2023 Scholar
- Texas A&M University Kingsville *Engineer's Week* competition, 2021, 1st place
- UIL FIRST Tech Challenge Robotics Competition, State 1st place 2022
- UIL FIRST Robotics Competition, State finalist 2022
- Dean's List Nominee FIRST Robotics 2022
- UIL FIRST Tech Challenge Robotics Competition, 2023 Finalist

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## ORGANIZATIONS

- 2024- SHPE UTSA, *Society of Hispanic Professional Engineers*
  - 2023- ASME UTSA, *American Society of Mechanical Engineers*
  - 2022-2023 Mu Alpha Theta, President
  - 2022-2023 FIRST Robotics Droid Rage Robotics teams, Vice President
  - 2021- Collegiate HS Mentoring: *Helping Inspire Peers*, Parliamentarian
  - 2021- TXDOT PSA competition, Collegiate High School, member
  - 2021- 2023 FIRST Robotics *First Robotics Competition* Team Droid Rage 3035, member
  - 2021- National Society of Leadership and Success, member
  - 2021- Collegiate High School Student Council, Junior Class representative
  - 2020-2023 FIRST Robotics *First Tech Challenge* Team 13266 APEX, co-captain
  - 2020- National English Honor Society, member
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