

Alejandro Vazquez Marin

CONTACT



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QUALITIES

- Leadership
- Teamwork
- Organizing resources
- Problem solving skills
- Critical analysis
- Initiative and innovation

SKILLS

- 3D Design
- Python Programming
- Electronics/Robotics
- Mechanics
- Science knowledge

LANGUAGES

- Spanish-Native



- English-C1



- German-B1



- French-A2



HOBBIES

- Photography
- Travel
- Drawing
- Hiking/outdoor activities
- Robotics

PROFILE

Student passionate about knowledge, both scientific and philosophical. Determined to study Aerospace Engineering at a great university that can welcome me, provide the resources and open the doors to a future of contribution and impact to the flight and space industry.

PROFESSIONAL EDUCATION

- **High school: Preparatoria Xochicalco Campus Tijuana**
Rampa Yumalinda 4850, Chapultepec Alamar, 22110 Tijuana, Baja California, Mexico.
2022-2025 High School generation

ACADEMIC BACKGROUND

- **Basic Robotics** School: Wibots Robotica Educativa- 2017-2019
Introductory robotics and intermediate robotics.
- **Videogame development** School: IT STEP Computer Academy- 2019
Use of *Construct 3* and *Clickteam Fusion* for the creation of video games.
- **Advanced robotics program** School: IT STEP Computer Academy- 2019-2023
Creation and programming of robots, 3D design in *Tinkercad* and *Blender*, introduction to electronics, electronics with *Arduino*, programming with *Arduino*, programming with *Python*, *HTML* programming, web development, creation of mobile applications, introduction to databases, introduction to cybersecurity.
- **Robotics mentor** Teacher at school: IT STEP Computer Academy- 2022
Mentor of three groups of students, approximately 28. Taught robotics and video-game creation at a summer camp.
- **German language course** A1 and A2 course at school: Aleman con Antonia, 2023-2024
- **Summer English Courses in Vancouver, Canada** School: EC Vancouver, 2023
- **Advanced technology course** School: IT STEP Computer Academy- 2024
Advanced mathematics, renewable energies, graphic design, creation of mobile applications, data science, cybersecurity, advanced electronics.
- **German language course** A1 to B2 course at school: Eurodimas Mexico- 2024
- **Summer English Courses in Montreal, Canada** School: BLI Canada, 2024
- **Python certification course** School: IT STEP Computer Academy- 2024-ongoing
Professional Python programming language classes with certification.

AWARDS AND ACHIEVEMENTS

- **FLL Challenge México Robotics Competition, 2021-2022 season**

Participation of the *TJ Evolution* team - from IT STEP Academy, Tijuana.

- 1st place in the regional competition held at: *online*
- 9th place in the national competition based at: Monterrey Institute of Technology campus Mexico City

- **Invitation to the event *Feria de ingeniería* of the Iberoamerica University Tijuana, 2022**

Participation of the *TJ Evolution* team - from IT STEP Academy, Tijuana, in the event organized by the IBERO University Tijuana.

- **FLL Challenge México Robotics Competition, 2022-2023 season**

Participation of the *TJ Evolution* team - from IT STEP Academy, Tijuana.

- 8th place in the regional competition held at: *online*
- 3rd Best Community project award
- 3rd Highest Score on Competition award

- **Invitation to the event *Robomatrix*, 2023**

Participation of the *TJ Evolution* team - from IT STEP Academy, Tijuana, in the Robotmatrix Tijuana robotics event.

- **Competencia *Robomatrix* Robotics competition, 2024**

Participation in the *Competencia de robotica Latiamericana Roobomatrix*, representing my high school Preparatoria Xochicalco

- 3rd place in regional competition

- **Participation in High school's *Research Forum*, 2024**

Participation in the Research Forum of the high school Preparatoria Xochicalco. Created a prototype and performed research to present the topic *The feasibility of rescue robots*

- 4th place
- Best Speech award