

Ricardo Castilho Anunciação

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Education

Escola SESI "Vandermir Francesconi Junior" (2013–2024)

Independent School | Jundiai, Sao Paulo, Brazil

Graduation Date: December 2024

Rank: 3/197 | **GPA:** 9.7/10 (Unweighted)

Dual diploma: High School Diploma and Plastic Technical Course Diploma

SAT: 1430 **RW Subscore:** 670 **Math Subscore:** 760

Relevant Coursework: Mathematics, Physics, Chemistry, Advanced Topics and Integrated Studies, Research Project Innovation, Plastic Materials Processing, Waste Management and Sustainability

Honor: Full-Ride Scholarship for Undergraduate Study Abroad (SESI Passport to the Future Program) [35 selected out of 1.3K applicants, 2.5% acceptance rating]

Experience

Mentor (2025), Robot's Captain & Programmer, SESI SENAI Megazord #7563, FIRST Robotics Competition

11.06.22-03.12.25

Developed an AI-powered control system with ML vision, optimizing autonomous navigation. Designed alliance strategies for over 50 matches; awarded Best Robot & Code of South America. Achieved historical qualification to the World Championship in the team's 6-year existence.

Machine Designer & Partnerships Manager, Filament Extrusion Machine Team

05.02.24-12.22.24

Designed mechanical, electrical, and coded components for a machine recycling 3D printer waste. Reduced product price by 20%; earned \$1.3K in motors and CNC components through partnerships.

Co-Founder, App Developer & Financial Manager, Reciclai (Recycling Incentive App)

04.13.24-12.05.24

Launched a recycling rewards app reaching 1K+ users; recycled 4K lbs of waste in a month. Developed app without initial funding. Advanced in two startup competitions (national & international).

Honors/Awards

Kansas City Engineering Inspiration Award (FIRST Robotics)

03.31.23

Recognized for excellence in promoting engineering; 2nd team of 35; advanced to the World Championship.

2x Gold & 1x Bronze Medal | Brazilian Astronomic & Aeronautics Olympiad (OBA)

03..22-05.24

Top 1% of 1.3M participants.

Bronze Medal & Honorable Mention | Public School Brazilian Math Olympiad (OBMEP)

12.20.23

Top 0.01% of 6.1M participants.

Initiation into Scientific Math Program (OBMEP)

03.22-07.24

Exclusive program for medalists; gained advanced algebra and calculus skills.

Skills

Technical	Python, SolidWorks, AI/ML Vision Systems, Java, JavaScript, C++, Kotlin, Arduino, Plastic Material Characterization & Sustainability Solutions
Data Analysis	Google Cloud, My SQL
Languages	Portuguese (Native), English (CEFR C1; DET 130/160; TOEFL 97/120)
Soft Skills	Leadership, Team Collaboration, Mentorship, Public Speaking

Volunteerism & Community Impact

STEAM Outreach Applicator, English & Programming Teacher, SESI SENAI Megazord Outreach

11.06.22-01.06.24

Reached 1.4K low-income children and 55 autistic students through hands-on STEAM workshops. Mentored 2.5K students in LEGO & Arduino; contributed to 25% of team outreach results. Collaborated with 12 sponsors; showcased projects at STEM and business fairs.

Founder, Video's & Lecture Presenter, MEGAJavaBR Mentorship Program

11.27.23-3.12.25

Created and presented the first FRC Java mentorship in Portuguese via a 6-class YouTube series. Achieved 3.3K views and 26K impressions in 12 months; mentored 550+ students from 21 Brazilian states, USA, and Turkey. Supported team #9460, which achieved 2nd place nationally in its rookie year.
