

# VITORIA SUCHI REZENDE

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Seeking opportunities for Spring 2024

## EDUCATION

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**Bachelor of Science in Aerospace Engineering** May 2027

*University of Cincinnati, Cincinnati, OH.*

- GPA: 3.97
- Minor: Astrophysics
- University Honors Program

**High School Diploma** Dec 2021

*Brasilia, Brazil.*

## EXPERIENCES

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**Protégé Research – Non-linear Analysis for Combustion Control** May 2023 – Aug. 2023

*University of Cincinnati, Cincinnati, OH.*

- Provided weekly testing on an atmospheric combustor that promoted lean combustion to explore and characterize thermoacoustic instability of the flame.
- Programmed cross and joint recurrence analysis in Python and MATLAB to process multiple pressure systems simultaneously and highlight their periodicities with references from 1000+ lines of code.

**CubeCats, Vice-President** Aug. 2023 – Present

*University of Cincinnati, Cincinnati, OH*

- Coordinate freshmen-oriented program CATiSE for research projects involving high-altitude balloons that educate engineering students and enrich their first year in college.
- Select new members of the executive board and team leads for CATiSE's project.
- Apply teamwork, project management, and problem-solving skills to connect with 10+ campus clubs and organize budget, materials, building, coding, and authorization for the HAB's launch.

**University Honors Program, Leadership Team Ambassador** Aug. 2022 – Present

*University of Cincinnati, Cincinnati, OH*

- Represent UHP scholars by coordinating meetings and events to encourage qualified students to apply for the program.
- Enhance public speaking abilities in presentations to 50+ students and families about the honors program.
- Recruit and mentor first-year ambassadors and help smooth their transition as new members.

**Bearcat Buddies, Lead Tutor** Aug. 2023 – Present

*University of Cincinnati, Cincinnati, OH*

- Lead a group of volunteers to teach English and Math to third graders in public schools around the Greater Cincinnati area.
- Create and manage sessions' materials depending on the children's social background and cognitive performance to boost learning efficiency.

**CubeCats – CATiSE's Project Floppa, Flight Systems Team Lead** Aug. 2022 – Apr. 2023

*University of Cincinnati, Cincinnati, OH*

- Led the Flight Systems in the mission to design and launch a high-altitude balloon in the Greater Cincinnati area to measure air pollution levels at different altitudes and collect a sample of a cloud.
- Inspired resilience and critical-thinking in 7 first-year students to innovate in a high-impact project despite having no prior experience in the field.

**Textbook Donation Project** Nov. 2021

*Galois High School, Brasilia, Brazil*

**Food Supply Donation Project** Jul 2021

*Santo Anibal, Brasilia, Brazil*

## HONORS / AWARDS

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**Dean's List** Aug. 2022 and Jan. 2023

*University of Cincinnati, Cincinnati, OH*

**College of Engineering and Applied Sciences International Scholarship and UC Global Scholarship** Aug. 2022

*University of Cincinnati, Cincinnati, OH*

**Top 5% in writing section of the Brazilian National High School Exam (ENEM)** Dec. 2020

*Brazilian Ministry of Education, Brasilia, Brazil*

**Maximum grade in writing section of the University of Brasilia's Entrance Exam (PAS)** Dec. 2019

*Brazilian Ministry of Education, Brasilia, Brazil*

**Outstanding Student Award** Dec. 2018 – Dec. 2021

*Galois High School, Brasilia, Brazil*

## SKILLS

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- **Technical:** Microsoft Office, Python, MATLAB, SolidWorks, COMSOL, LabVIEW
- **Languages:** English (fluent), Portuguese (fluent), Spanish (intermediary), French (beginner)