

Charlotte Sandoli

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EDUCATION

Purdue University, College of Engineering
Bachelor of Science, Computer Engineering, In Progress

West Lafayette, IN
Completion in
May 2028

LEADERSHIP AND INVOLVEMENT

Proficient Java
IB Diploma

Rio de Janeiro, Brazil
February 2022-November 2023

- Built a fully interactive guitar learning website in Java
- Developed skills in JavaFX and SceneBuilder
- Applied the design process of model-view-controller (MVC)
- Provided a fully functional front-end in CSS and HTML

School Podcast
Founder

Rio de Janeiro, Brazil
February 2022-November 2023

- Participated in and published an interview with the UK's Chairman of the Conservative party
- Negotiated with administration to define appropriate topics
- Led a 4 person team; interview members for leadership positions; recruit new members
- Applied technical expertise to recordings to equalize the voices, smooth transitions, and manage Spotify accounts.

Proficient SWIFT
Mobile Application

Rio de Janeiro, Brazil
February 2022-November 2023

- Developed a mobile app in SWIFT about local fauna and flora
- Used SWIFT tools, CSS and HTML to produce fully functional front and back end

Model United Nations (MUN)
Chair/Delegate

Rio de Janeiro, Brazil
September 2019-November 2023

- Selected to participate as delegate in Latin America's largest conference representing Japan
- Researched for ethical implications of industrialization & its effects on robotics, child labor, & fast-fashion
- Participated in State-wide conference representing India
- Provided service at a city-wide conference as committee chair

RELEVANT SKILLS

Programming:

- Python | IGCSE diploma, IB diploma
- Java | IB diploma
- Swift | Kode With Klossy
- Javascript | FreeCodeCamp certification
- HTML/CSS | FreeCodeCamp certification
- LaTeX | IB diploma

Skills:

- Assisting soldering lead onto circuits to connect copper wire; screw circuit boards onto laser cut plexiglass
 - Designed a 2 month long online guitar course.
 - Proficient in navigating multicultural environment
- Lived and studied in Singapore and France (2 years)*

Languages:

- Fluent Portuguese | Native language
- Fluent French | Native language
- Fluent English | IGCSE and IB diploma.
- Advanced Spanish | IGCSE diploma
- Beginner German | Goethe-Institut

Community involvement:

- Women In Engineering learning community
- Women In Engineering seminar