

PEDRO VIEIRA

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EDUCATION

- **Georgia Institute of Technology,** **Atlanta, Georgia**
 - Master's in Industrial Design Expected 2023
 - B.S. in Mechanical Engineering, Minor in Industrial Design 2021

SKILLS

- **Technical**
AutoCAD, SolidWorks, 3D Modelling, CAD, Microsoft Office (Excel, PowerPoint, Word), System Controls, Arduino programming, Figma
- **Mechanical**
Machining with mill and lathe, soldering, 3D printing
- **Languages**
English – Fluent | Portuguese – Fluent | Spanish – Intermediate | French Beginner

WORK EXPERIENCE

- **Phillips Gradick Engineering, P.C.** **Atlanta, GA**
HVAC Co-op January 2020 – January 2021
 - Designed HVAC systems on Architectural drawings for apartment and hotel buildings using AutoCAD
 - Responsible for checking if buildings were compliant with construction code
 - Estimated internal heat loads to evaluate system capacity and performance needed to provide comfort in buildings and save energy
- **DoseLogix** **Atlanta, GA**
Independent Contractor Summer 2020
 - Worked with the marketing team to translate booklets of medical devices and facilitate relations with Brazilian clients
- **Itau Unibanco / Rede** **São Paulo, Brazil**
Summer Intern – Digital Products Summer 2018
 - Participated in negotiations and planning for the newest smart terminal
 - Led inventory of all smart terminals available for testing
 - Updated UX of the current versions of smart terminal

PROJECTS

- **Smart Structures – Capstone design**
 - Collaborated with other students to develop a solution for mixing and extruding 3D printable concrete
 - Executed design thinking process from research through prototyping
 - Supervised technical reports writing
- **Clockwise**
 - Managed a team to design a product focused on improving the lives of patients with Mild Cognitive Impairment (MCI) and memory loss to be implemented at the MCI empowerment center
- **Graphic Design Literacy**
 - Designed three different types of packaging for prosthetic arms based on lifestyle and functionality
- **Urban Descent Device – Create-X Idea to Prototype**
 - Researched and designed a portable device that would be safer and more efficient than a wing suit
 - Supervised manufacturing of the prototype
- **Supreme Machine**
 - Collaborated with a team to build and design a machine that expelled and collected parts
 - Led manufacturing with lathe and mill and assisted on CAD designing

RESEARCH

- **Exoskeleton and Prosthetic Intelligent Controls (EPIC) Lab** **Atlanta, Georgia**
Research Assistant – Back-Exoskeleton Team Summer 2019 – Fall 2020
 - Reviewed and repaired control systems code
 - improved mechatronics components of back exoskeleton
 - Collected and processed motion capture (Vicon) experiment data
 - Machined parts with mills and lathes

LEADERSHIP

- **President – Brazilian Student Association** Fall 2017
- **Philanthropy Committee – Theta XI fraternity, Beta Alpha Chapter** Fall 2018
- **Senior Leader – Christian Campus Fellowship at Georgia tech** Fall 2020 – Spring 2021