Sebastián Colón Castro

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Objective: Acquiring an internship, or co-op experience to support and contribute companies through my logical, mathematical and design reasoning. Prioritizing the better understanding of the fundamentals of mechanical engineering with an end goal of contributing my skills to society.

Education

University of Puerto Rico, Mayagüez Campus   AUG 2018-Present
Bachelor of Science, Mechanical Engineering
GPA: 3.60/4.00 - Major GPA: 3.68/4.00
MSCHE-CES Accredited.
Expected Graduation Date: Dec. 2023

- **NASA Moon Buggy Project:**   JAN 2021- Present
  Team Member of the powertrain team, assisted in developing a belt drivetrain. Worked on key measurements such as belt lengths, pulley ratios, and SolidWorks design. Additionally, participated in the writing of an Operation Readiness Review and a Design Review.

- **Mars Habitat Project:**   AUG 2020- FEB 2021
  Created and analyzed the structure for a habitat created to withstand Mars harsh conditions.

- **Hip replacement Project**   AUG 2021- DEC 2021
  Worked in a group project which involved research and development of a hip replacement through Cad design and FDA regulations with the end goal of manufacturing a prototype.

- **Trailer Project - Skootel Company:**   AUG 2020 - DEC 2020
  Designed and analyzed a basic 3D model of a trailer using SolidWorks for a semester group project; mainly assisting in design and structural analysis, resulting in a perfect academic score.
- **TUNA UPRA**:   JAN 2018-AUG 2020
  Group leader and fundamental guitarist in a musical organization of the University of Puerto Rico, Arecibo Campus. Educated and guided other members to enhance the quality of the work done by the organization.

- **Università per Stranieri di Siena**:   JUL 2019- AUG 2019
  Studied abroad in Italy, gaining a base knowledge on a third language, and further developing communication skills.

Experience

- **Assistant Technician**.   AUG 2018-2019
  Worked alongside a professional mechanic in the provision and maintenance of heavy machinery.

Additional Information

- **Programming Language:** Python, Html-5 and CSS-3
- **Native Language:** Bilingual in both written, spoken English and Spanish and basic Italian.
- **Software skills:** Microsoft Office and SolidWorks.
- **Relevant coursework:** Thermodynamics, Algorithm, Materials of mechanics
- **Personal Interests:** Playing the guitar, gaming and running.