

CONTACT



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Florida, US



[linkedin.com/in/cyrilmoran/](https://www.linkedin.com/in/cyrilmoran/)

Technical Skills

SOLIDWORKS, GD&T

MATLAB, C++, LabVIEW, ROS2

PumpLinx, ANSYS, Mathcad

Excel, Word, Ubuntu, LaTeX

Mechanical Design

Professional Skills

Teamwork

Leadership

Problem Solving

Creativity

Languages

English

Portuguese

Hobbies

3-D Printing

Volleyball

Video Games

Media Studies

Cyril Moran

MECHANICAL ENGINEER

PROFESSIONAL SUMMARY

A driven engineer with a passion to better our community through engineering innovation. Coupling leadership and technical skills along with professional experience, illustrate all the qualities that will make a significant difference in your company.

EDUCATION

08-2018 – 12-2022 **University of Florida, B.S of Mechanical Engineering**

- GPA of 3.6
- American Society of Mechanical Engineers member
- Generational Relief in Prosthetics member
- BRASA member

2014 - 2018 **Sarasota High School, High School Diploma**

- GPA of 4.6
- Cambridge AICE Diploma recipient

EXPERIENCE

08-2021 – present **Undergraduate Researcher**
University of Florida

- Designing an overnight dialysis system
- Create an electro dialysis (ED) benchmark system in SOLIDWORKS
 - Perform CFD and Electro dialysis analysis in ANSYS on the 5-layer ED membrane for a 60% salt retention rate
- Synthesize a graphene oxide (GO) membrane that permits protein permeability
- Design a scaled 3-stage system that incorporates the GO membrane, ED system, and reverse osmosis membrane to test and troubleshoot

11-2016 – 05-2018 **Lead Cashier**
Home Depot

- Provide customers with fast, friendly, accurate and safe service while processing transactions efficiently
- Proactively seek product/project knowledge to provide customers with information and identify selling opportunities
- Handle dissatisfied customers and customer complaints with diplomacy and guidance towards positive resolutions
- Convince customers to apply for Home Depot credit cards
 - One of the top performers in Cashier Department.

04-2021 – 08-2021 **Tutor**
Sylvan Learning Center

- Create a safe and inclusive learning environment for kids of all ages
- Teach Mathematics up to Calculus 3 and Differential Equations
- Teach Reading and Science at a college level
- Create a structure of learning for younger adolescents to develop foundational knowledge.
- Saw a 10-70% increase in students' performance on monthly aptitude tests.