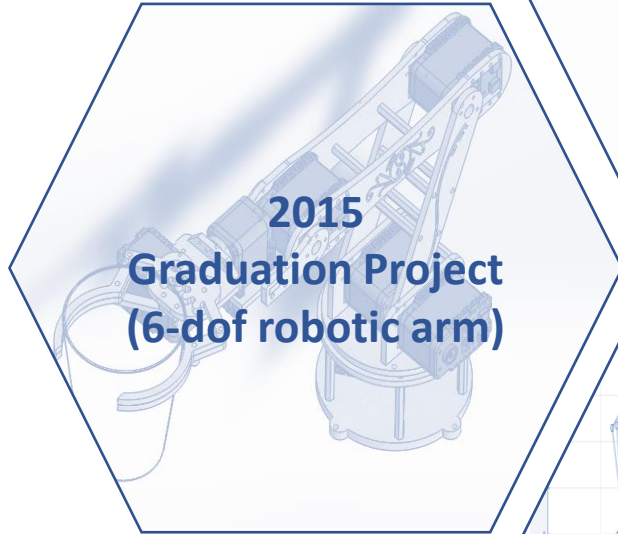


Hi! This Waleed Alghilan

A mechanical engineer with a passion for design, programming and sports! I hope you find this presentation interesting and fun!

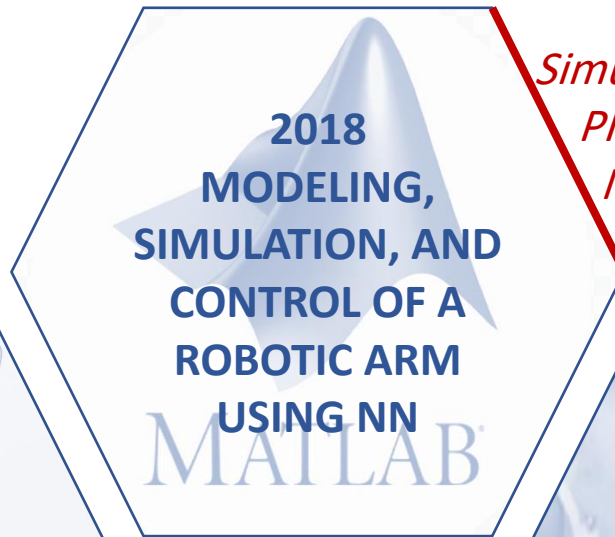
PROJECTS AND EXPERIENCE



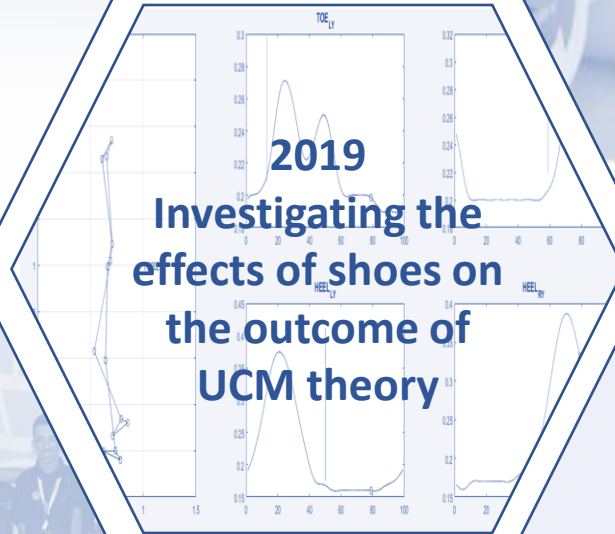
2015
Graduation Project
(6-dof robotic arm)



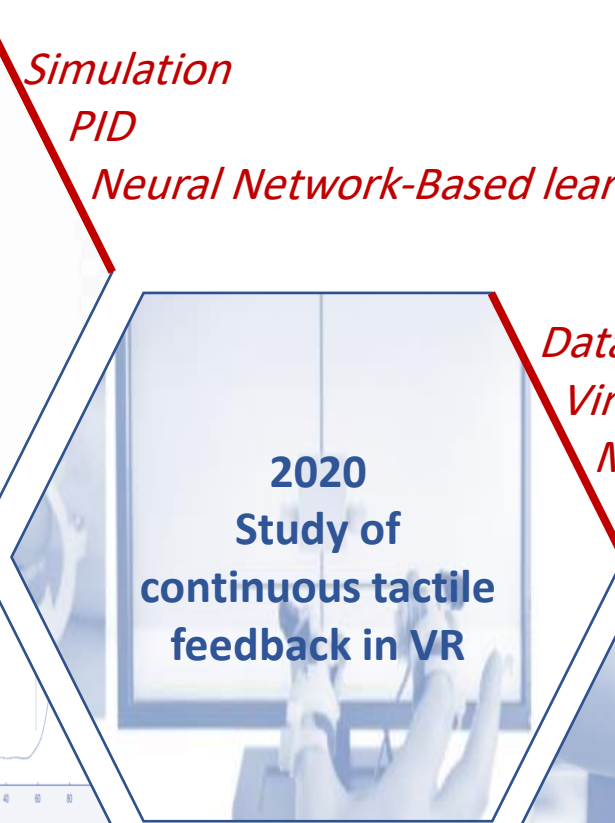
2015-2016
SHELL ECO-
MARATHON
ASIA



2018
MODELING,
SIMULATION, AND
CONTROL OF A
ROBOTIC ARM
USING NN



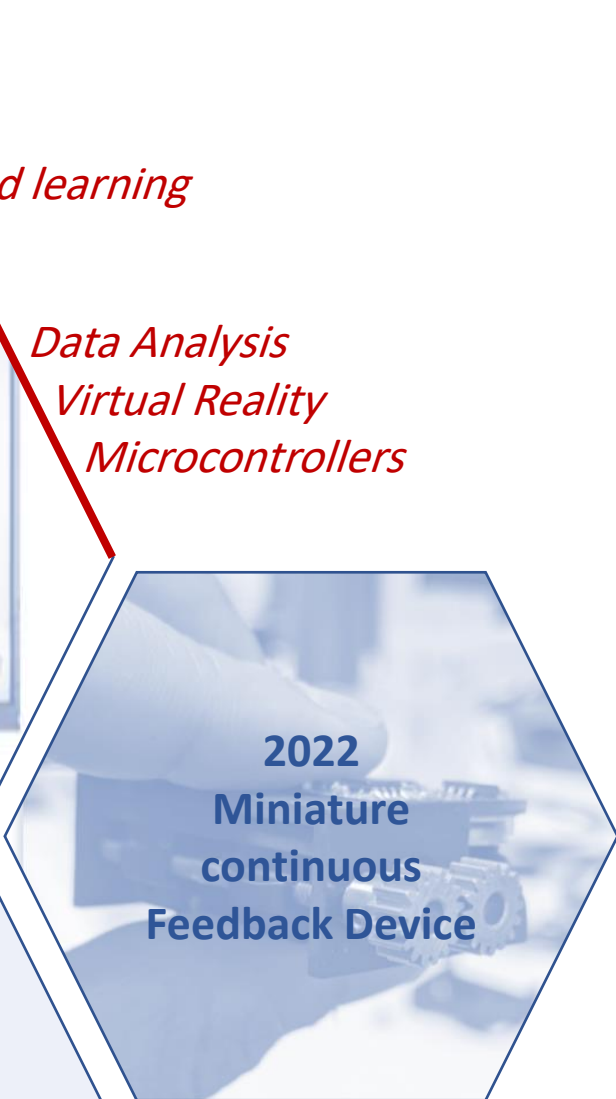
2019
Investigating the
effects of shoes on
the outcome of
UCM theory



2020
Study of
continuous tactile
feedback in VR



CECA 2020
prosthetic Hand



2022
Miniature
continuous
Feedback Device

Simulation
PID

Neural Network-Based learning

Data Analysis
Virtual Reality
Microcontrollers

Teamwork.
Composite materials and
Carbon fiber body.

Complex Assemblies.
Tolerances.
Drawings for Manufacturing.

| | | |
|--|---|--|
| B.Sc in Mechanical Engineering 4.6/5 - Excellent King Saud University. Saudi Arabia | M.Sc. in Bionics Engineering 110/110 - Excellent Scuola Superiore Santanna – university of Pisa Italy | Ph.D. candidate in Biorobotics Engineering Artificial Hands Area Scuola Superiore Santanna Italy |
| IELTS – Academic English 8 out of 9 | | |

I also followed different courses online and in-present on quality engineering (6 sigma), lean development, and engineering management.
I speak Arabic, English, and Italian (B2).

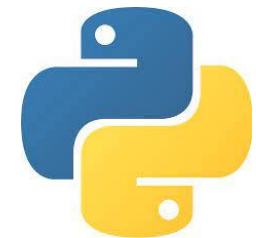
CAD software



Simulation



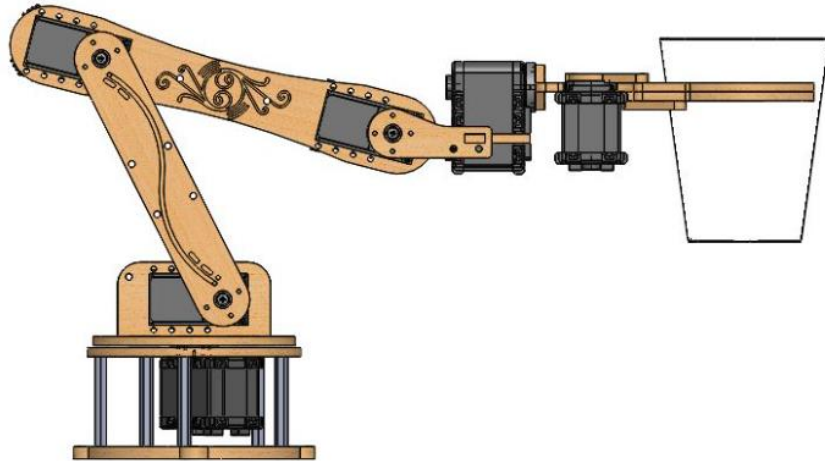
Programming





I used solid works extensively during my studies, I am confident in making parts from sketches, assembly, dynamical analysis, and making drawings.

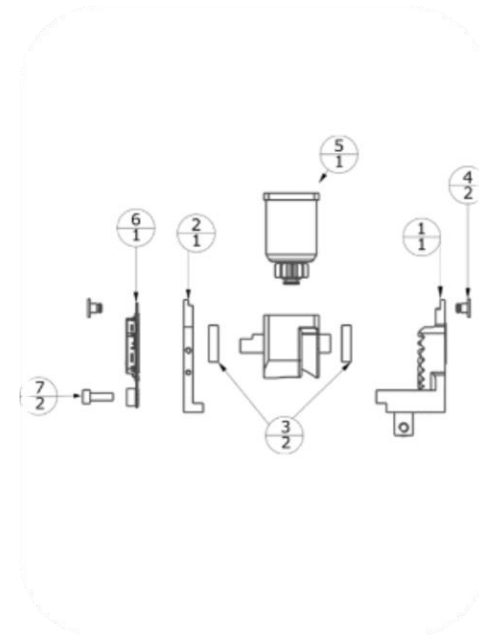
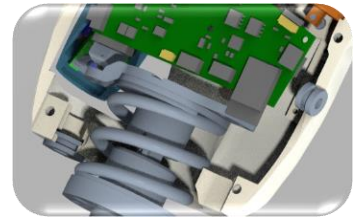
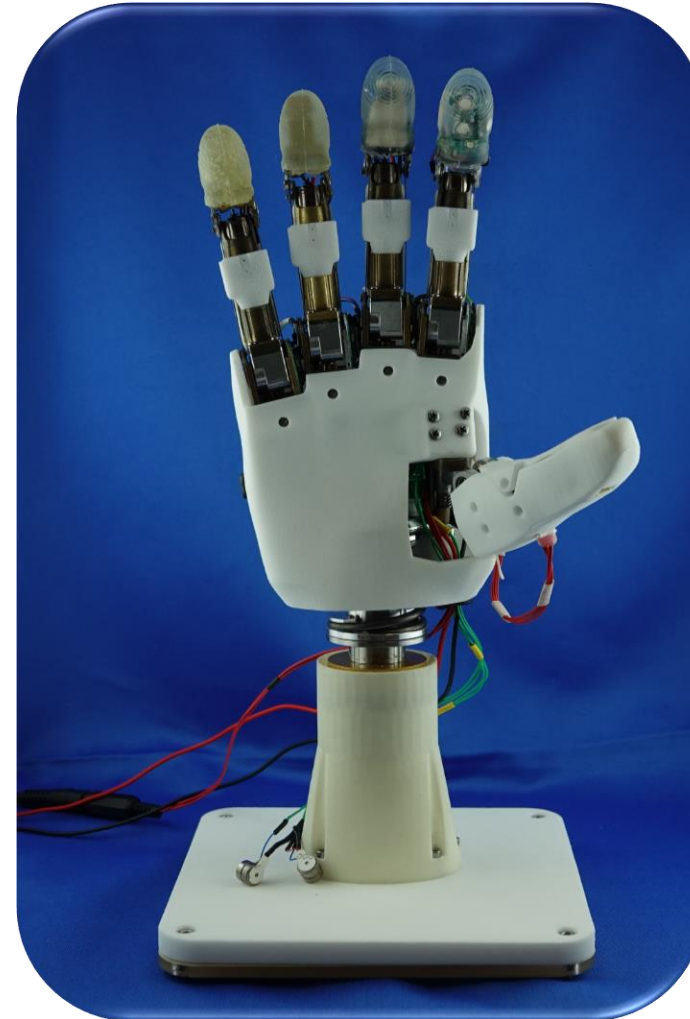
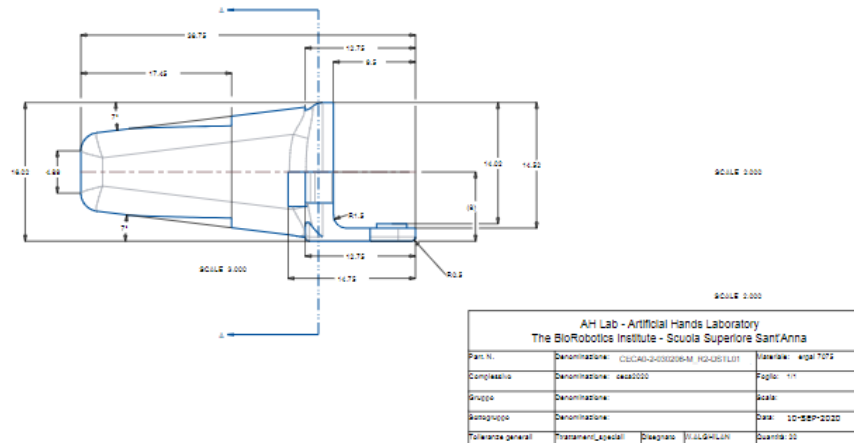
My graduation project was made in SolidWorks, then cut using laser cutter available in my department.



We also relied on SolidWorks to design the prototype car we used in shell eco marathon race, it was used to check fittings, review design, create CNC routes to build and fabricate the Microfiber body mold.



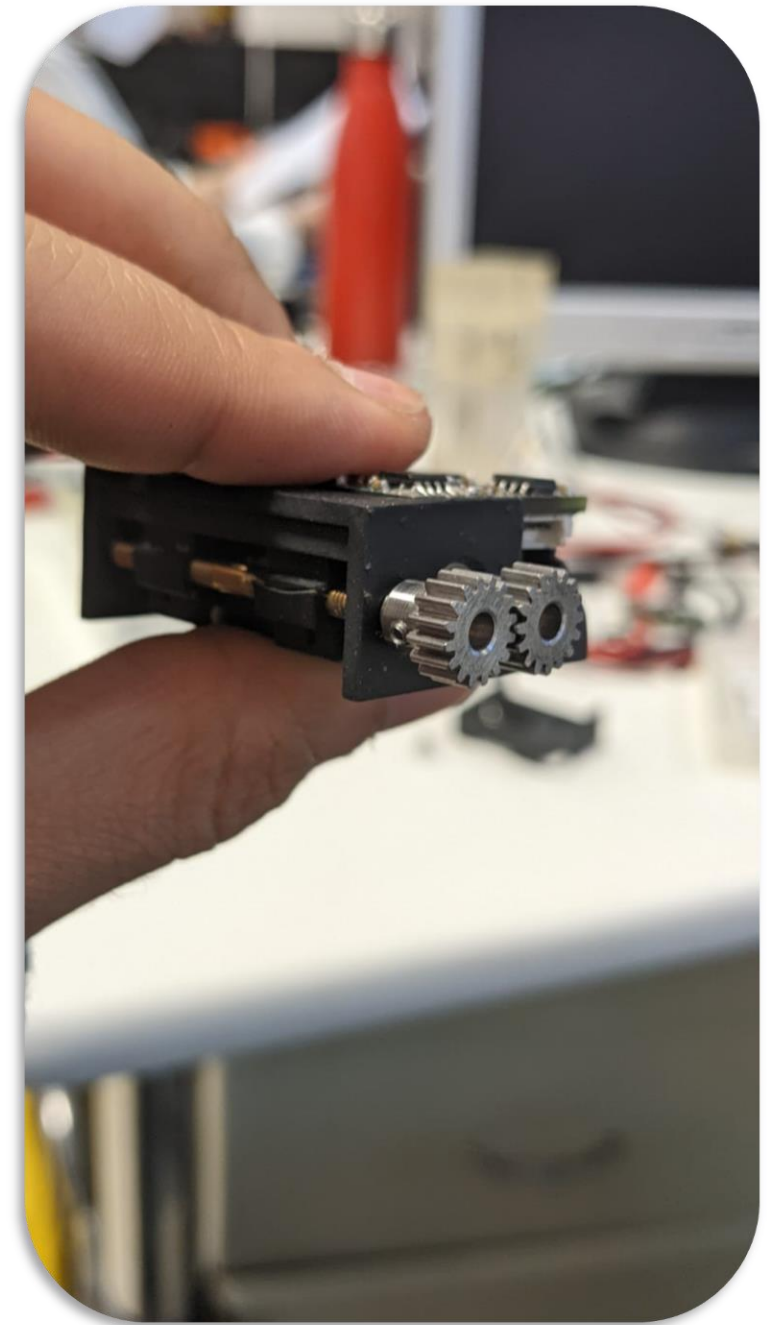
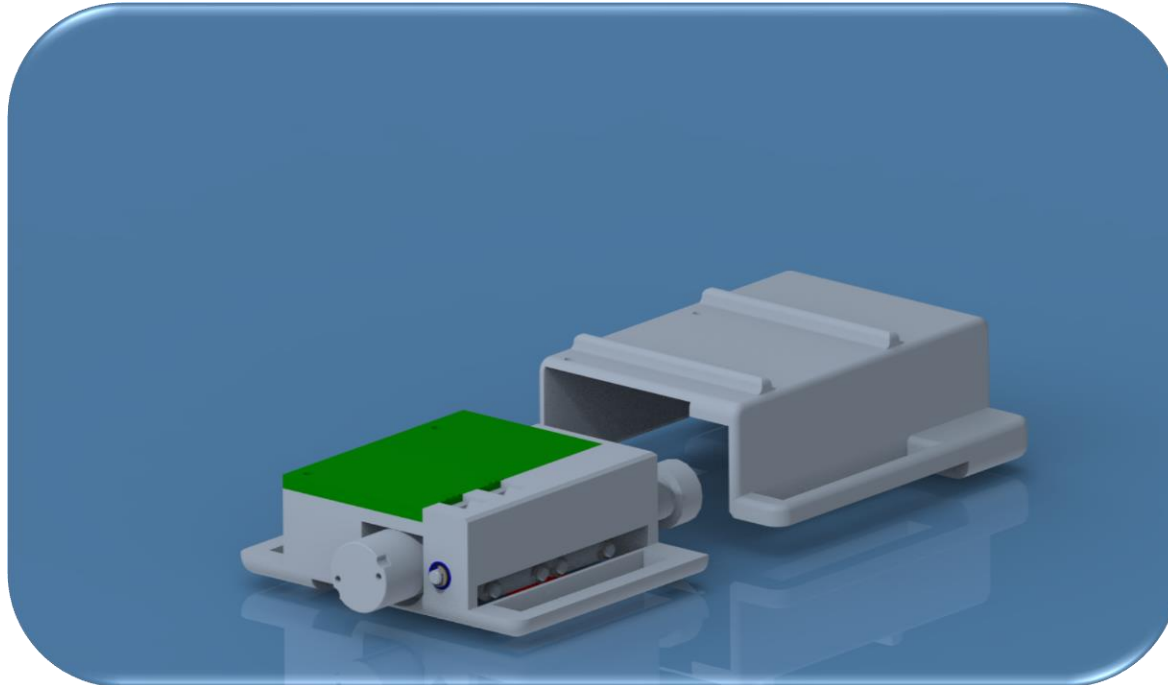
In the Biorobotics institute they rely mainly on Creo. In CECA2020 project I was the main junior mechanical engineer working on the CAD files, reviewing designs, improving the mechanical assembly and setting up orders until the final delivery of the project.





creo®

I am currently working on an improved design of a small sensory feedback device developed in our lab.



Thank you for your time .. For more information you can find me here !

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Phone: +39 3926484174

Linkedin: <https://www.linkedin.com/in/waleedme/>