RAHILL ISMAEL

MSc. Bioengineering & Nanosystems
BEng. Mechanical Engineer

Recent MSc graduate in Bioengineering & Nano-systems who is driven to expand my knowledge in the field. Enthusiastic to solve challenges as efficiently as possible and working together for a superior outcome.

WORK EXPERIENCE

FARAB Properties Maintenance Management

Maintenance Engineer | October 2017 to Jan 2019 | Dubai UAE

- Leading a team of technicians that would perform emergency and scheduled diagnostics on HVAC, water boilers, and pumping systems .

Muto World

Product Engineer | December 2019 to July 2020 | Dubai UAE

- Agricultural horticulture automated , self regulating environmental management and nutritional pipelining system

EDUCATION HISTORY

Institute Superior Tecnico Lisbon

MSc. Bio-engineering and Nano-systems| Sep 2020- Present

Heriot Watt University Dubai

BEng. Mechanical Engineering | Sep 2014- June 2017

- Designed multi axis robotic arm and perform FEA for stress and deformation analysis
- Recruiter in IMECHE organisation: Organized projects for planning and design of LDC infrastructure

St. Dominic's International School Portugal

International Baccalaureate | Sep 2012- May 2014

ADDITIONAL INFORMATION

3D Printing and Prototyping

-Assembly and modifications to fused deposition printers for prototyping applications

-CAD to custom fit parts for a variety of applications.

ARM Cortex Controllers Applications

-Small scale home automation via voice commands used to activate multitude of component

Design To Manufacturing of LED Grow Lights

-Surface mounting LED chips ,projection drawings for threading and tapping Aluminium

-Multi-spectrum chlorophyll targeting LED's digitally controlled via C# WinForms application software. Run in microcontrollers using Linux

PERSONAL DETAILS

- Nationality: South African & Portuguese
- DOB : 30/11/1995
- Email Address: rahillismael@gmail.com
- Mobile: +351 96 1125 827

SOFTWARE SKILLS

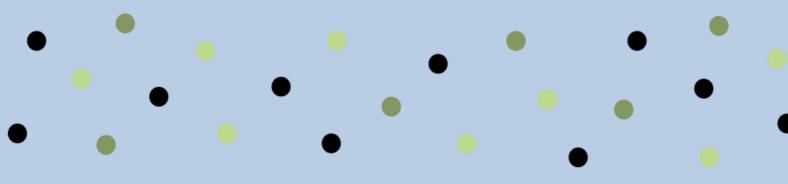- Python
- Graphical user interface building
- Artificial neural networks
- Arduino, Bash C-Panel, SFTP, SLL, Domains, WordPress, HTML5, CSS
- MS Office (Word, Excel, PowerPoint)
- Core MATLAB knowledge
- CREO Parametric 3 - 5(CAD)
- 3D printing and prototyping
- Abaqus FEA
- Adobe Photoshop, Lightroom, Premier
- C# Win-Form
- Sketchup 3D modelling, rendering
- Photo-Realistic product design, rendering.

LANGUAGES

- English – Native
- Portuguese – Proficient
- Spanish – Elementary

SOFT SKILLS

- Adaptability
- Problem Solving
- Analytical Thinking
- Persistence

Thank you for your consideration,

Rahill Ismael