HASSEBI Khalil

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EDUCATION

2020 - to date M2 Applied Physics and Physics engineering (Nanophysics and Advanced Optics)
Courses: Nanophysics and nanomagnetism, Microscopy, Solid state and surface physics, Advanced measurement and instrumentation, advanced diffraction and scattering techniques...
Le Mans, France – Le Mans University

2020 M1 Applied Physics and Physics engineering (Nanophysics and Advanced Optics)
Courses: Nanomaterials, spectroscopy, Nonlinear optics, Quantum mechanics, Solid State physics, Crystallography ...
Meknes, Morocco – University of Moulay Ismaïl

2019 B.Sc in Physics
Courses: Solid State physics, Statistical physics, Magnetism, Quantum Physics, Electricity, Electronics...
Meknes, Morocco – University of Moulay Ismaïl

2014 Introduction to Linux
 edX   *LinuxFoundationX*
- Learned various tools and techniques commonly used by Linux system administrators.
- Mastered both the graphical interface and command line in all of the major Linux distributions*.*

PRESENTATIONS
- **Superparamagnetic nanoparticles in Magnetic Resonance Imaging**
Explained the use of magnetic Superparamagnetic NP as contrast agents in the MRI.

- **Application of carbon nanotubes in Lithium ion batteries**
Studied the use of CNT as a free standing anode in LIB.

- **Quantum Contact in Gold NS by STM:**
Researched the use of STM to create gold Quantum Dots.

SKILLS
- Research and analysis
- Skills related to scientific and technical fields including programming, modeling and simulation
- Knowledge of advanced concepts in physics and mathematics
- Strong understanding of modern research techniques
- Huge desire to contribute to scientific progress
- Leadership and proactivity
- Public Speaking
- Ability to think clearly and abstractly
- High work ethics

Programming Languages: Python, C, C++, Java, JavaScript, Fortran 77/90-95, Latex, Assembly/microcontroller & Microprocessors programming.

Simulation: Matlab, Quantum Espresso, Scilab, Maple, fusion 360, AutoCAD

Software : Microsoft Office Pack**,** Notion

OS: Unix, Linux, Windows, MacOs.

ACHIEVEMENTS
- **Fullerene C60 program**
- **Dispersion Curve program**
- Participating in **Physics and Mathematics Olympiads**

LANGUES
- **English:** fluent
- **French:** fluent
- **Arabic:** native

HOBBIES
- Book writing
- programming
- Volunteering (ESN Le Mans Member)
- kickboxing