Short-Term Internship
April 2019 – August 2019

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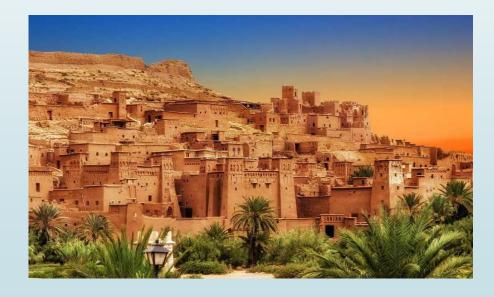TE-MPE

Thursday, 11th April 2019

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PROFILE (1/2)

- Youssef Raouyane

- Rabat (Morocco)

- 23 years old

PROFILE (2/2)

Hobbies:

Academic background:

- **2013:** Moroccan Baccalaureate, mathematics option
- **2013:** CPGE (**C**lasse **P**réparatoire aux **G**randes **É**coles)
- **2016-today:** College of Engineering in Computer Science (Clermont-Ferrand, France)

LAST INTERNSHIP:
(April 2018/September 2018)

ADHESION DEPARTMENT

Main goal: Managing an SQL database

Tasks:

1. Developing a GUI for users to extract data
2. Developing methods allowing for automatic insertion of data in database

STEAM

Integrated Management of Material Properties for Superconducting Magnets Modelling

Tasks:

- Mapping of existing material properties to existing tools (COMSOL, LEDET, ANSYS) as well as references (ROXIE, CUDI, ITER)

- Implementing missing materials properties in respective programming languages (C & MatLab)

- Loading existing dll libraries and scripts to MatLab and developing an automated testing suite in MatLab

- Extending a model generation framework in Java to allow for a varying number of coefficients for material properties

	Tools
Material Properties	