

Polytechnic Engineering Student

Work experience

October 2009
October 2009

Training

Total Prof Association

Mission: Training focusing on the Reservoir Engineering and Geosciences organized by the Total Prof Association (TPA)

July 2009
August 2009

Engineering Internship

Omega Engineering Services

Mission: Study and design of a construction project of the Social Affairs headquarters in Gabes

Means:

- Manual Dimensioning of structural elements (beams, columns, slab, sole...) of a building using the rules of BAEL 91 and verification of the results founded using ARCHE software

Key words: BAEL 91, reinforced concrete, beams, columns, slab, sole, ARCHE, AUTOCAD

July 2009
July 2009

Engineering Internship

Valeo Dav Tunisie

Mission: reduction of return guaranteed rate of a VF retro

Means:

-Drawing of the VF piece with CATIA V5 software then proposing some feasible solutions

Key words: Functional analysis, CATIA V5

April 2008
May 2008

Worker Internship

Station of gas treatment and compression

Mission:

- Working in maintenance units (mechanic, electric, production) and visiting some offshore departments (ENI, SITEP)

Key words: thermal power generator, gas, oil, ENI, SITEP

Diplomas and education

Since
September 2007

Tunisia Polytechnic School

■ 2009-2010 : Third year of studies at TPS Field Mechanics and Structure (MEST)

*Main courses: Petroleum industry, Robotics and Mechanics, Plates and Shells, Soil mechanics, Structural Dynamics

■ 2008-2009 : Second year of studies at TPS , Field MEST

*Main courses:Energy of buildings,Heat transfer, Aerodynamics (course+ TP),Steel Construction,Theory of structures I & II (course+ TP),Geology& Geophysics,Conception CAO,Macroeconomics

■ 2007-2008 : First year of studies at TPS

*Main courses: Numerical analysis (course+ TP), Scientific computing, Optimization (course+ TP), Object oriented programming (C++), C programming, Unix system, Fluid mechanics, continuum mechanics, Marketing, management, Databases, Company visits I, Electronic (course+ TP)

*Study trip: visit of the principal companies in Tunisia (thermal power plant of Sousse , Gafsa Phosphate Company (Compagnie des Phosphates de Gafsa),Tunis steel...)

Since
September 2009

Tunisia Polytechnic School

Master of Science in "Computational Mechanics Graduate Program"

2009-2010: First year of studies of the Master of Science in Computational Mechanics, at Tunisia Polytechnic School,in collaboration with Virginia Tech University, USA and with funding from the U.S. State Department.

*Main courses: finite element method I and II, structure & solid Mechanics, fluid mechanics, continuum mechanics, control of structures, vibrations,..

September 2005
July 2007

Monastir Preparatory Engineering Institute (IPEIM)

■ 2 years of studies in the Monastir Preparatory Engineering Institute (IPEIM) specialty Mathematics and Physics (MP) to obtain the high school undergraduate university diploma.

*Mention Good, classified first of the institute during the two years.

*June 2007: success in the Tunisian National Exam for the Entrance to Engineering Schools Rank 4/1200

September 2001
June 2005

02 March 1934 High school

*Obtaining the Tunisian baccalaureate, specialty Mathematics, with the distinction very well

Computing skills

Software

- * Operating Systems: Windows, Linux
- * Electronics and microelectronics: Protel, Assembler
- * Scientific Software: MATLAB, Maple, eQUEST, AUTOCAD, CATIA, SAP2000, ARCHE
- *Others: MS Office (Word, Excel, PowerPoint ...)

Languages

- * Development and programming language: C\C++,C#, Java, Visual Basic
- *Databases: MySQL, MS Access
- *Web: XHTML, PHP

Language skills

English

Speaking competence: Intermediate, **Written competence:** Intermediate

Arabic

Speaking competence: Native speaker, **Written competence:** Native speaker

French

Speaking competence: Fluent, **Written competence:** Fluent

Various

Projects

* Mechanics and Robotics project: -Study and simulation of the dynamical response of a manipulator using MATLAB software

* Energy of buildings project entitled "Zero-Energy Commercial Building in Tunisia": determination of the best energy efficiency options available to a typical 4-story office building in Tunisia as well as the required PV system size required

*Modeling of industrial processes project: Simulation of the binary diagram Benzene-Acetonitrile by the NRTL model and designing a GUI (graphical user interface) program which can simulate all the binary equilibrium isotherms using MATLAB software.

*Quality approach project entitled "Control charts for variables"

*Transport & logistic project entitled "Optimization of Land Transport"

*Marketing Project

*Object Oriented Programming Project (C + +) (Simulation of automatic distributor of tickets)

Social activities

* Active member and Vice President of the computer club (InfoCEPT) of Tunisia Polytechnic School

* Active member of the Petroleum Club of Tunisia Polytechnic School

Sport

* Karate, Ping-Pong, football