

KAMEL ATIA

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Permanent Work Authorization. No Visa Sponsorship Required.

PROFESSIONAL SUMMARY

Electronic/Electrical Engineer with international experience. Seeking opportunity in electrical/electronic engineering.

KEY SKILLS

- Real-time Embedded Systems Development
- Installing and maintaining electrical control systems
- Building, testing and troubleshooting electrical designs
- Fluent in Arabic, French, English

COMPUTER SKILLS

- **Programming Languages:** C/C++, Matlab, Processing, Scilab, Labview
- **Software:** Matlab Simulink, AutoCAD, Spice, Proteus PCB design software
- **Platforms:** Windows 2000 / XP / Vista, Linux

TECHNICAL SKILLS

- Process control and instrumentation
- Embedded development environment, debuging and testing
- Analog and Digital circuit analysis
- API and Wireless sensor networks using ZigBee
- Arduino microcontroller systems
- Discrete and continue signal systems
- Digital image analysis

EDUCATION

Professional Certificate, Embedded Systems and Reconfigurable Logic
Illinois Institute of Technology (IIT), Rice Campus, Wheaton, Illinois Summer 2012

Non-Degree Graduate Coursework, Control Systems, Imaging and Signal Processing Sept 2008 – Dec 2008
Public University of Technology, Institut national Polytechnique de Lorraine INPL, Nancy, France
Public university founded in 1971; equivalent to admission to 10% top- ranking universities in the United States.

Masters Degree in Electronic Engineering, Concentration in Control Systems 2006
University of Batna, Batna, Algeria

University of ~31,000 students; completed 5 yr program in one of best Engineering Departments in Algeria. Evaluated as U.S. equivalent by ECE

PROFESSIONAL EXPERIENCE

Electrical Engineer October 2009 – June 2011

Cement Factory of Ain Touta, Batna, Algeria

Government owned company producing cement for national construction and sale to private companies.

- Developed knowledge in controlling temperatures, monitoring motor speed, and troubleshooting procedure for any problems in control room; manually fixed sensors as necessary
- Responsible for troubleshooting various electrical equipment problems such as electrical supply, electro-valves, and sensors (speed, position, humidity, and temperature)
- Trained to implement several instrumentation devices for controlling industrial processes using PID Loops
- Collaborated with 12 staff in control room and 5 staff in lab repair division

Research Intern

Jan 2009 – June 2009

Center Automatic Control, CRAN, Nancy, France

Research center funded by Institute for Engineering and Systems Sciences (INSIS) and two universities in Nancy: Universite Henri Poincare (UHP) and Institut National Polytechnique de Lorraine (INPL).

- Developed edge digital imaging detection program with advanced algebraic model using MATLAB language

Second Lieutenant

Oct 2006 – Apr 2008

College of Telecommunication, Military Engineering Branch, Koléa, Algeria

- Supervised ~20 technicians and maintenance staff in troubleshooting all telecommunications issues
- Fixed equipment problems related to radio, radar systems, and navigational instruments
- Honorably completed mandatory military service

Project Design Intern

Apr 2006 – Sept 2006

University of Batna, Batna, Algeria

Public university; one of the largest universities in North Africa with ~31,000 students.

- Independently designed embedded hardware device that measured and monitored the flow of IV serum
- Created device consisting of: Microcontroller 16F876A, keyboard to enter references desired by the user, LCD that displayed the flow rate of the IV serum drops in real time, motor to monitor the speed of serum drops, sensor, alarm, and power supply

Additional jobs:

Co-Owner & Operator, Cyber Café, Algiers, Algeria

July 2009 – October 2009

- Served ~50 customers/day with access to 25 computers and web services
- Completed computer repairs for ~7 customers/day; sold ~10 computer equipment products/month