

ALI MOHEET

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For the more current and complete information, please visit www.it-nt.com/resume

OBJECTIVE

Seeking a position where I can utilize my various skills and experience in *Mechanical Design and Engineering along with my outstanding computer skills* for a research organization or an engineering field that offers the opportunity for growth.

SKILLS

Mechanical Skills:	Computer Skills:
§ Microprocessor-Based Mechanical Systems	§ C, C++
§ Mechanical Design and Systems	§ NI Lab View/ Lab Windows/CVI
§ Thermodynamics	§ PHP
§ Heat Transfer	§ Matlab 7.0
§ Nuclear Power Generation	§ MySQL
§ CNC, Mill, Lathe	§ AutoCAD
§ DSP	§ SolidWorks
	§ FPGA

EDUCATION

2005 – 2007	University of California, Berkeley	Berkeley, CA
§	B.S., Mechanical Engineering	GPA 3.6
§	B.S., Nuclear Engineering	GPA 3.1
2001 - 2002	CEI College	Panorama City, CA
§	Information Technology Specialist	

EXPERIENCE

Fall 2007	University of California, Berkeley	Berkeley, CA
	<i>Design and Prototyping of a Self Calibrating Robot</i> (in progress)	
§	Design the mechanism and manufacturing of the robot arms	
§	DSP	
§	Design and program of tasks and states of the robot	
§	PID Controllers and Feedback	
Summer 2007	Berkeley Process Control	Richmond, CA
	<i>Design and Implementation of a Characterization System for Soft I/O</i>	
§	Soft I/O: a programmable I/O system designed by BPC	
§	Programming of the following NI boards using NI LabWindows/CVI 8.01: NI PXI-8232 (GBIP/ENET), NI PXI-6704 (16 channel analog output), NI PXI-6251 (Multifunction DAQ), NI PXI-4072 (6 ½ Digit FlexDMM), NI SCXI-1001 (Relay), Chroma (programmable DC Electric Load Simulator)	
§	Design of precision tests for the followings: Digital I/O, Analog I/O, Power.	
§	Characterization of BX-300 multi-axis controllers	
Spring 2007	University of California, Berkeley	Berkeley, CA
	<i>Risk Assessment of GT-MHR (a Gen IV Nuclear Reactor)</i>	
	For more information, please visit http://www.it-nt.com/resume/gtmhr.doc	
	<i>Design and Prototyping of a Palletizing Robot</i>	
§	LabView / C (forced object oriented programming in C)	
§	Design and program of tasks and states	
§	PID controllers and feedback	
Fall 2006	University of California, Berkeley	Berkeley, CA
	<i>Design and Prototyping of Hydraulic CVT</i>	
	For more information, please visit http://www.hydrauliccvt.com/	
2005 – 2007	University of California, Berkeley	Berkeley, CA
	Design and Implementation of PrimeKinetics.org using Drupal Technology	
	For more information, please visit http://www.primekinetics.org/	
2002-Present	IT-NT	Sherman Oaks/Berkeley, CA
	<i>Design and Implementation of IT-NT Interactive Web Technology</i>	
§	Content management application using PHP, HTML, JAVA, CSS, and MySQL	
	For more information, please visit http://www.it-nt.com	



PUBLICATION(S)

7th Annual ISME Conference – April 1999
A Method for Engineering Design of Spur Gears Using Finite Element Methods