Dhruv Acharya

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Objective

Seeking a full time position as a Mechanical Engineer

Education

M.S.E. Mechanical Engineering, University of Michigan, Ann Arbor — Sep 1999-May2002
GPA: 3.15/4.00

Relevant Coursework:

*IC Engine *Advanced Heat Transfer *Simulation *Linear Programming *Applied Probability
*Global Product Realization *Continuous Design Optimization *Reconfigurable Manufacturing Systems
*Lean Manufacturing Strategies*Financial Economics*Strategies in Information Systems

Presentations: Poster on Simulation of Cavitating Flows over simple wedges, Graduate Student Symposium — Nov 2000

B.E. Mechanical Engineering, BVM Engineering College, India — Aug 1995-Feb 1999
GPA:3.75/4.00
Honors: Winner of N.D. Bhatt Gold Medals for two semesters

Experience

Executive Product Planning Intern, Solace-Mountain Consulting, Florida — Sep 2002-Present

*Develop simplistic model and prototype for beer keg guage
*Draft detailed plan to mass produce the guage cost effectively
*Design blue-print for the keg guage

Summer Intern, MAF Analyst, BMW-Oxford, UK — Jun 2001-Sep2001

*Evaluate Internal customer response for newly launched MINI and MINI Cooper
*Report to Head of Quality and Engineering
*Support all aspects of Customer Dynamic Audit for Manager-Road Test Division
*Collect and Distribute information to all KEFAI areas using KISS-Q
*Develop primary Database for MAF vehicles. Suggest long-term strategy to IT staff
*Supervise delivery of departmental vehicles and Troubleshoot complains
*Help Process Area Managers monitor activites on the assembly line

Graduate Student Research Assistant - BioPhysics Lab — Jan 2001-May2002

*Prepare Micro-fluidic devices in semi-clean room environment using soft lithography techniques.
*Setup apparatus for single molecule experiments. Use laser tweezers to manipulate DNA strands to study polymeric properties of protein bonds.
*Standardize replication techniques for making low-cost devices on large scale.

Graduate Student Research Assistant - Cavitation and Multiphase Flow Lab — Mar 2000-Dec 2000

*Software Validation for Ford Motor Co. Using CFD software Fluent, simulate cavitating flows over simple wedge geometries.
*Determine qualitatively, how far simulations compare with experimental data

Projects

*Designing wind turbine, Winter 2000 *Effects of Rapid Changeovers, Winter 2000
*C code for streamlining data files, May 2000 *Innovating Coffee Maker-Target Asis, GPR, Fall 2000
*B2B webapplication for e2eCE, Fall 2000 *KayPro-Rise and Fall, Fall 2000

Computer Skills

Platforms: Windows, UNIX, Mac
Languages: C, JAVA, HTML, Fortran
Applications: FLUENT, MS Access, CATIA, AutoCAD, WebSphere, LabView