

ROHAN CHINCHANI

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1735 North Roosevelt CT,
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SUMMARY

Two years of work experience has given me good skill set in the areas of Design, Machine tools, Numerical controls and quality control areas of Mechanical and Industrial Engineering. My Bachelors and Masters degree in Mechanical Engineering gave me exposure to succeed in various projects involving design, manufacture and quality testing arena of automotive Engineering. I am interested in pursuing career opportunities in the areas of design, development or engineering for automotive or manufacturing sector utilizing cutting edge software like Pro-E, MADYMO and CATIA.

EDUCATION

Wichita State University, Wichita, KS

M.S. degree in Mechanical Engineering

Spring' 04

GPA 3.34/4.0

Thesis: Validation of extendable bumper in a car using MADYMO 6.1.

RELEVANT COURSE WORK:

- Computer Aided Design using Pro-E and CATIA.
- Advanced Machine design.
- Advanced Computer Aided analysis using Visual Nastran
- Finite Element Analysis using Ansys.
- Advanced Machine Design.
- Impact Biomechanics.

K.LE Society College of Engineering & Technology, Belgaum, India

B.E. degree in Mechanical Engineering

Summer' 98

GPA 3.7/4.0

WORK EXPERIENCE

Bosch, Inc., Kentwood, MI

May 2002 to Aug 2002

Summer Intern

- Responsible for the study of gage's ability to repeat and reproduce.
- Developed new concepts and designed new fixtures for the gages utilizing AutoCAD R 14.
- Learned ideology of quality and its various aspects of manufacturing process.

Wichita State University, Wichita, KS

Jan 2002 to May 2002

Graduate Research Assistant

- Designed, Developed and test a miniature tester for the aviation industry to conduct tests and calculate Head Injury Criteria (HIC) on various bulkheads.
- Increased the efficiency of testing, lowered the costs involved in large scale testing.
- Conducted tests, designed using Pro-E and analyzed them using software's like **Madymo** and **PATRAN**.

Techno Engineers, Bangalore, India.

Dec 1999 to May 2001

Design Engineer

- From concept to designing of various parts of machines using Pro-E.
- Extensive exposure to CNC machines and various other machines.
- Studied applications and devised solutions.

Finolex Corp, Pune, India.

Jan 1999 to Dec 1999

Trainee Design Engineer

- Worked as a trainee design engineer in maintenance department of Light Duty Cable Division and gained wide exposure and insight on various Numerical Control and Conventional machines. Used Auto-CAD as a tool for design.

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PROJECTS

- Designing of Component Head Injury Criteria Tester using Pro-E, MADYMO and MSC Patran.
- Sensitivity Analysis of pedestrian impact using MADYMO.
- Effectiveness of Head Bands on the occupants in an aircraft using MADYMO.
- Reduction of air pollution for Cupola Furnace through Modified Wet Scrubber. This project was adjudged as “Best” by the Environmental department of Karnataka State, India.
- Design of a Baseball frenzy machine using Pro-E to find the defective Baseballs. Responsible from concept to actualization.
- Kinematics and dynamic analysis of Geneva wheel using Visual NASTRAN 4D.

SKILLS

CAD Tools: AutoCAD R14, ANSYS 6.1, MathCAD, Pro-E, MADYMO, Visual NASTRAN.

Languages: C, Fortran 77, Visual basic 6.0.

RDBMS: MS Access 2000, Oracle 8.0 and D2K

ACTIVITIES & HONORS

- Recipient of the Graduate Research Assistantship, Wichita State University.
- Active member of ISA.

References available upon request.

Relocation -Open.