

Sarah Chandrasekar

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Objective Engineering full time position where work experience, overseas experiences and design skills will add value to department operations

Education **Calvin College** Grand Rapids, MI
B.S.E – Concentration in Electrical and Computer Engineering May 2005 GPA 3.24 (4.0)
Senior Design 2004-2005 Project Sponsor: **Naake Motor sports**

- Design Prototype of shock filling machine for leading race-cars
- Coordinate research with 4 other team members

Related Experience **Ventura Manufacturing (*Tier 2 Automotive Supplier*)** Zeeland, MI
Engineering Internship, Full time: Summer 2004, Part-time: September - Present

- Research and Development project - “Re-Design of damper on Grab handle”
- Researched optimum heaters and appropriate sleeves for slide on rod machine
- Updated PPAP,PFMEA, Control flow, Process flow documents
- Conducted DOE tests
- Assisted with procurement and launch of new products
- Measure and track process efficiency and report on scrap, rework, downtime, uptime, track time and cycle times
- Completed Value Stream Maps
- Performed SWOT analysis
- Researched Lean manufacturing Principles, Six Sigma, Just In Time, Work In Progress
- Acquired proficiency in quality checks and auditing techniques

John Bevere Ministries Colorado Springs, CO
Engineering Internship, Summer 2003

- Responsible for trouble shooting various technical issues on the T-server
- Solved for IT issues experienced by employees

Ventura Energy Incorporation (*Oil and Gas Corporation*) Calgary, AB (Canada)
Engineering Internship, Summer 2000

- Presented project entitled “Estimating Gas Reserves”, based on research of different functions, formulas, concepts and calculations involved in the estimation of gas reserves
- Coordinated various projects for engineers and geologists
- Attained practical knowledge on various theoretical chemistry concepts related to oil and gas

Leadership **IEEE - Institute of Electronics & Electrical Engineers (*Student Club*)**
President, 2004-2005

- Facilitate and raise awareness of student competitions through presentations
- Represent Calvin College Chapter at IEEE Region 4 conferences and dinners
- Propose goals for the upcoming academic year
- Train junior officers

Calvin College
Pre College Programs Assistant Coordinator, October 2004-Present

- Manage and supervise coaches, ensure interaction and communication between coaches and fellows
- Coordinate retreats and presentations in conjunction with Grand Rapids Public System

Skills AutoCAD, Autodesk, PSpice, C++, PLC, Minitab, Mat lab, MathCAD, Motorola 68HC11, Assembly language, MS Project, MS Access, MS Excel, MS Word

Highlights **Awards:** General Motors Scholarship, Junior Engineering Scholarship, Academic Achievement Award
Volunteer: Big Brother Big Sister, Service trip to Mazatland (Mexico)