Ankur Das

Personal Info

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Education

2012 - Current
Needham, MA

B.S. in Mechanical Engineering, Olin College of Engineering, Class of 2016
Selected Coursework: User Oriented Collaborative Design, Robotics, Dynamics, Mechanics of Solids and Structures, Materials Science, Transport Phenomena
Current: DFM, Mechanical Design, Thermodynamics, Mechanical & Aerospace Systems
GPA: 3.81

2008 - 2012
San Jose, CA

High School Diploma, Bellarmine College Preparatory
GPA: 3.92 Unweighted, 4.57 Weighted

Experience

Fall 2012 - Current
Needham, MA

Research of Electric Vehicles at Olin
·Current mechanical subteam lead on Formula SAE Electric racecar
·Lead on mechanical design decisions, including personal work on independent dual-motor gearbox; managed subteam members, drawings, and fabrication
·Led suspension design on off/on-road capable three-wheeled electric car
·Converted gas-powered go-kart to electric powertrain.

Summer 2014
Berkeley, CA

Manufacturing Engineering Intern at All Power Labs
·Created documentation through CAD, technical drawings, and PLM
·Designed assorted parts for small-scale biomass power generators
·Communicated with suppliers and fabricators for RFQ creation, DFM, DFX

Fall 2012 - Spring 2014
Needham, MA

SAE Mini Baja
·Created and optimized suspension geometry on off-road vehicle team.
·Designed knuckles, integrated suspension with chassis and steering.

Fall 2008 - Spring 2012
San Jose, CA

FRC, VEX Robotics
·2011 FRC World Championship Winners. VEX robotics team captain.

Projects

Fall 2014 - Current

Biomedical CAD and 3d Printing
Research in converting biomedical data to 3d models, using custom-designed parts and printed models of complex structures for education and treatment procedures.

Spring 2014

Design for Volunteer Doctors
Studied volunteer doctor user group through visits and interviews. Used user needs and values to identify and design product idea, model, and interface specific to user group.

Fall 2013

Laminar Flow Fountain
Led mechanical design of a small tabletop laminar flow fountain with audio-visual response. Created recycling waterproof system with three powered laminar flow nozzles.

Skills

Software: Solidworks, Matlab, LabView, Adobe Suite, Python, DraftSight, COMSOL, Arena PLM
Fabrication: Mill, Lathe, Sheet Metal, MIG & TIG Welding, CNC Laser & Plasma Cutter, 3d Printers