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: Design Nature, User Oriented Collaborative Design, Robotics, Dynamics, Mechanics of Solids and Structures, Principles of Engineering, Materials Science, Transport Phenomena* (Current) GPA: 3.82
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 design lead on Formula SAE Electric racecar ·Leading Oversaw all design decisions on FSAE car mechanical systems, mentored team members, managed ·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

Current	**Biomedical CAD and 3d Printing** Research in converting biomedical data to 3d models, using 3d printing to clearly visualize complicated structures (i.e. fetus skeletons) for medical students.
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.
Fall 2012	**Remote Controlled Gorilla** Designed educational game targeted to fourth graders with limited budget. Designed remote controlled walking gorilla toy.
Fall 2012 - Spring 2014	**Misc. School, Personal Projects** Autonomous Tugboat Navigation, Welding and Heat Treatment Analysis, Hand Gesture Laptop Control, Automated Dynamics Equation Generator, 3d Printing, Modular Origami

Skills

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