

NISHA GEORGE

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Highly motivated engineer with 6 years of work experience in the US and abroad in construction management, aerospace, digital electronics and nanofabrication. Takes pride in strong work ethic and leadership ability but also takes direction well. Seeking challenging work to develop a rewarding career in engineering.

EDUCATION

B.S., Engineering
Harvey Mudd College, Claremont, CA, December 2008
Queen Mary University, London, UK, Fall 2006

WORK EXPERIENCE

- Project Engineer**, US Army Corps of Engineers, Portland, OR 06/08-present
- Manage construction contracts, monitor contractor progress, form cost estimates and negotiate proposals for extra work, resolve any conflicts with involved parties
 - Coordinate between the customers, contractors, designers and managers to ensure customer specifications and deadlines were met with satisfaction
- TTEthernet Group Intern**, TTEch, Vienna, Austria 06/07-08/07
- Completed survey and competitive assessment of real-time Ethernet standards
 - Authored marketing materials based on research for client distribution
- NASA Goddard Robotics Intern**, Greenbelt, MA 06/05-08/05
- Developed 2D LIDAR (Light Detection and Ranging) system prototype for future moon rover projects at the Applied Physics Laboratory, Johns Hopkins University

RESEARCH EXPERIENCE

- Raytheon-Engineering Clinic**, Harvey Mudd College, Claremont, CA 09/07-05/08
- Prototyped CubeSat satellite to test radiation hardness of the MONARCH processor
 - Redesigned Raytheon's MONARCH motherboard for the CubeSat and sourced radiation hardened equivalent parts to deliver a product ready for fabrication
- Edwards Air Force Base-Engineering Clinic**, Harvey Mudd College, Claremont, CA 01/07-05/07
- Developed the optics tuning procedure and documented the results of a free-space optical communications system to improve telemetry for Air Force test aircraft
 - Presented results at the International Telemetry Conference
- NASA Microgravity University Program**, Johnson Space Center, Houston, TX 10/04-08/06
- Obtained funding for two years and managed budget of over \$24,000 as Team Lead
 - Lead the design, building and testing of an experimental apparatus to study two-phase flow in Reduced Gravity
- California Institute of Technology**, Pasadena, CA 06/03-08/03
- Ran lithography processes, etching, and photoluminescence testing for Axel Scherer's Nanofabrication Laboratory

SKILLS

CAD: Electric CAD tool, Solidworks
Lab: MATLAB, Verilog HDL, Multisim, LabVIEW
Shop: Welding (FCAW, GMAWB, SMAWB), Metal and Wood machining equipment