

Krishan Desai

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OBJECTIVE

US citizen seeking a challenging research opportunity in the field of Computer Science

EDUCATION

University of Houston, Houston, TX
Bachelors of Science in Computer Science
GPA: 4.0

January 2016 – Present

Texas A&M University, College Station, TX
Bachelors of Science in Mechanical Engineering

August 2011 – August 2015

Akademie Für Internationale Bildung, Bonn, Germany
Studied German Language and Culture

Summer 2015

ACADEMIC TEAM PROJECTS

Capstone Project for OneSubsea

September 2014 – May 2015

- Designed a modular mudmat to support a subsea structure
- Explored possible component materials and analyzed their physical properties for usability
- Utilized design principles to develop a conceptual mudmat structure that reduced cost by approximately 25%
- Presented the final design concepts to industry professionals as well as students

Hydraulic Forklift Mast for Computer Aided Design

Summer 2015

- Designed from the ground up a working Solidworks CAD model for a forklift's mast
- Lead a four person team through the project
- Conducted failure mode analysis and finite element analysis on critical components
- Presented the project in a professional setting to peers

UAV Design Project for Engineering Analysis for Mechanical Engineers

Fall 2013

- Fully modelled the behavior of a Predator drone based UAV in Matlab
- Utilized the principals of thermodynamics and fluids to optimize the design of the UAV
- Communicated the development of the project through several reports

EXPERIENCE

Texas A&M Department of Recreational Sports, College Station, TX

Intramural Supervisor

January 2013 – August 2015

- Managed nightly intramural sports contests, special events, officials, and facilities for intramural sports
- Supervised a team of approximately 60 referees
- Dealt with and resolved many interpersonal conflicts between participants and staff
- Provided customer service to more than 200 participants on a nightly basis

Intramural Official

January 2012 – December 2012

- Refereed indoor and outdoor soccer

Warriors of the Wild, Pearland, TX

July 2012 – August 2012

High School Internship Coordinator

- Was part of team that led high school students through the engineering design process
- Created preliminary designs for a sustainable playground

SKILLS

Computer: Proficient with Matlab, Simulink, Solidworks, Microsoft Office, C++, Java
Also familiar with Python, MIPS, Labview, AutoCAD, and Minitab

Languages: Intermediate level German and Spanish

INTERESTS

Soccer, Rock Climbing, Hiking, Racquetball, Traveling (visited 13 countries in four continents)