

Chung-Hau Wang

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EDUCATION

University of Southern California (USC) , Los Angeles, CA	Dec 2013
Master of Science, Mechanical Engineering (Specified in Control and Design)	
National Chung Cheng University (CCU) , Chiayi, Taiwan	2007
Bachelor of Science, Mechanical Engineering	
Moscow Aerospace School's 2005 Program , Russia	Sep 2005

TECHNICAL SKILLS

SolidWorks, AutoCAD, MatLab; C++, Java, Python, VB, and MS Office

WORK EXPERIENCE

Grader for Engineering Vibrations I

USC, Los Angeles, CA Jan 2013-May 2013

Directing Officer (Military Service)

Level A Ordnance Repair Depot, Combined Logistics Command, DOD, Taiwan Jul 2007-Jun 2008

- Managed the repair technicians and maintained the armament (rifle, artillery, telescopes, etc.)

PROJECT EXPERIENCE

Regenerative Speed Reducer (RSR):

This project is to design a device to collect and transform vehicle's kinetic energy to electrical power

- Designed the prototypes, the configuration, and the materials for each component
- Analyzed the model by finite element analysis (FEA) with COSMOSWorks package in **SolidWorks**

Computer-Aided Design of Mechanical Systems

This project is to analyze different models by FEA with COSMOSWorks package in **SolidWorks**

- Analyzed the stress/strain and their distributions, the vibration natural frequencies and the corresponding vibration modes, the buckling boundary conditions, and thermal stress/strain for different models

Da Vinci Flyer

This project is to reconstruct Da Vinci's flyer

- Designed the model and determined the flyer's scales, flying modes, and the feasibility with **SolidWorks**

HONORS & AWARDS

First Place (Work Name: Running Chair) Oct 2006

2006 Taiwan Innovative Mechanism Design Competition

EXTRACURRICULAR ACTIVITIES

Club for Initiative Design & Engineering CCU, 2004-2007

Club of Taijiquan (a soft Chinese martial arts) CCU, 2003-2007