

Chung-Hau Wang

2677 Ellendale Pl. Apt. 216 · Los Angeles, CA 90007 · (213)359-9740 · chunghau@usc.edu

EDUCATION

University of Southern California (USC), Los Angeles, CA	Dec 2013
Master of Science, Mechanical Engineering (Specialized in Control and Design)	
Moscow Aerospace School's 2005 Program, Russia	Sep 2005

TECHNICAL SKILLS

SolidWorks, CATIA, MatLab, AutoCAD, Visual C++, Java, Visual Basic, Python, Verilog, and MS Office

WORK EXPERIENCE

Quality Control Engineer

Meritek Electronics Corp., Santa Fe Springs, CA	Feb 2015-Present
· Improved the manufacturing process by 50% and maintained the manufacturing machinery	

Grader for Engineering Vibrations

USC, Los Angeles, CA	Jan 2013-May 2013
· Corrected the students' homework and guided the students in academic learning	

HONORS & AWARDS

Taiwan Patent (Patent No: 10441189140)	Pending
This patent is to protect a manual wheelchair of all-terrains	
First Place (Work Name: Running Chair)	Oct 2006
2006 Taiwan Innovative Mechanism Design Competition (National Science Council of Taiwan sponsored)	
This project was to modify wheelchairs' mechanism and function to make them more ergonomic	
· Led the team to design the prototype and the mechanism, and determined the configuration	

PROJECT EXPERIENCE

Manual Wheelchair for All-Terrains

This project is to design an ergonomic manual wheelchair for all-terrains

- Designed the prototype with SolidWorks and simulated the wheelchair with 3D printers

Regenerative Speed Reducer (RSR)

This project is to design a device to recycle the energy from vehicles

- Led the team to design RSR and analyzed RSR by FEA with SolidWorks and CATIA

SpaceBot

This project is to design a Geosynchronous (GEO) satellite life-extension vehicle

- Determined SpaceBot's parameters and evaluated the feasibility of the project

Vibrating Systems

This project is to analyze and simulate the vibrations of lump-mass systems and continuous systems

- Modeled, analyzed, and simulated vibration systems with MatLab