

# **Chung-Hau Wang**

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## **EDUCATION**

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

## **TECHNICAL SKILLS**

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

## **WORK EXPERIENCE**

### **Junior Manufacturing Engineer**

<b>Meritek Electronics Corp., Baldwin Park, CA</b>	Feb 2015-Present
· Upgraded the product management system; Increased the manufacturing efficiency by 60%	

### **Grader for Engineering Vibrations**

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

## **HONORS & AWARDS**

### **Taiwan Patent (Patent No: M506597)**

This patent is about a 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**

### **Toothpaste Dispenser Design Challenge from Apple Inc.**

This project is to design a toothpaste dispenser for manufacturing line

- Designed the prototype and configuration of the toothpaste dispenser

### **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

### **Computer-Aided Design of Mechanical Systems**

This project is to apply FEA to analyzing different models with SolidWorks and CATIA

- Analyzed stress/strain problems, vibration systems, and thermal stress/strain problems

## **ADDITIONAL INFORMATION**

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Languages: Native in Mandarin/Taiwanese, Fluent in English