

# **Chung-Hau Wang**

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

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## **EDUCATION**

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<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**

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

## **WORK EXPERIENCE**

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### **Junior Manufacturing Engineer**

<b>Meritek Electronics Corp., Baldwin Park, CA</b>	Oct 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**

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### **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**

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### **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

### **Da Vinci's Flyer**

This project is to reconstruct Da Vinci's flyers

- Designed the Da Vinci's flyers, determined their parameters, and simulated the flyers with SolidWorks

## **ADDITIONAL INFORMATION**

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Languages: Native in Mandarin/Taiwanese, Fluent in English