

# Chung-Hau Wang

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## EDUCATION

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**University of Southern California (USC)**, Los Angeles, CA

Dec 2013

Master of Science, Mechanical Engineering (Specialized in Control and Design)

## 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

**Meritek Electronics Corp.**, Baldwin Park, CA

Oct 2015-Present

- Upgraded the product management system; Increased the manufacturing efficiency by 60%

## 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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### 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

### 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