

Chung-Hau Wang

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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

Junior Manufacturing Engineer

Meritek Electronics Corp., Baldwin Park, CA Oct 2015-Present

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

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: 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

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

Languages: Native in Mandarin/Taiwanese, Fluent in English