

Jingwen Zhang

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EDUCATION

MAE, University of California, Los Angeles 09/2017-Present

Ph.D. in Mechanical Engineering. Expected graduation: June, 2022

- Concentrate on Robotics and Control (**GPA: 4.0/4.0 for 1st year**)

SEAS, Columbia University, New York 09/2015-12/2016

Master of Science in Mechanical Engineering

- Concentrate on Robotics and Control (**GPA: 4.1/4.0**)

Department of Mechanical Engineering, Tsinghua University, Beijing 09/2011-07/2015

Bachelor of Engineering in Mechanical Engineering, July 2015 (**GPA: 3.8/4.0**)

- **Honors:** The Excellent Graduate of Tsinghua University (**5%**)
Two First-Class Scholarships for Excellent Comprehensive Performance (**5%**)

PROFESSIONAL EXPERIENCE

Embedded Engineer Intern, Bothive Systems, Shenzhen 05/2016-08/2016

- Optimized the algorithm of Laser Pointer in the Automotive Storage System to improve accuracy and speed
- Compiled the Arduino Library of Laser Pointer and Cooperated to design the mechanical device of the system
- Cooperated to design data frame between the software and firmware in data link-layer

ACADEMIC RESEARCH

Design a Versatile and Simple Robotic Hand, New York 01/2016-05/2016

- Utilized Solidworks to complete the 3D module of the two-fingers robotic hand and 3D-printed the structure
- Designed the embedded system of the servo motor control to complete fingertip, enveloping and fist grasp

Design for Vehicle Auto-retracting Device of Collapsible wheelchair, Beijing 05/2015-07/2015

- Installed the device on baggage holder of roof, bring better universality to the design
- Simplified the transmission process using linear actuators instead of gear set
- Achieved the whole process from principle scheme design to assembly drawing

ACTIVITIES

Animal Protection Volunteer, Hoh Xil of Qinghai Province 07/2012-08/2012

- Led a team to help with the protection of endangered animals like Tibetan antelope in Hoh Xil
- Made a public-service film to call on more attention to animal protection

Student Union of Department of Mechanical Engineering, Tsinghua University 12/2012-12/2013

- Served as **Minister of Arts Department**, organized several large-scale artistic activities

SKILLS & INTERSETS

- Computer Skills: C, C++ and Python language, MATLAB, PR, PS, familiar with Solidworks and AutoCAD
- Language: English (fluent), Mandarin (native)
- Hobbies: Basketball, Travelling and Bartending