

Yaliang Wang

925 Dempster Apt. 2W
Evanston, IL, 60201
United States

Phone: 1 (224) 420 - 2689
Email: yaliangwang2015@u.northwestern.edu
Website: <http://career.yaliang-wang.tk>

Education

M.S. Computer Science, Department of Electrical Engineering and Computer Science, Northwestern University, 2014 - present. GPA: 3.67/4.00

B.E. Automation(Control), Department of Control Science and Engineering, Zhejiang University, 2009 - 2013. GPA: 3.67/4.00

Project

Mobile App

- **Product Manager and Software Developer**, Social Networking Application, December, 2014 - present
Hybrid App Builds on HTML5, jQuery, PhoneGap™ Build & Parse.com.

Machine Learning

- Recommendation System in Streaming Music Service, April, 2015 - present.
- **Algorithm Implimentor**, Handwritten Digit Recognition, December, 2014 - March, 2015
2-Layer Neural Network with 1000 hidden neurons; achieved error rate: 3.27 % on the MNIST Dataset.
[Github Repository](#) [Video\(3 mins\)](#)
- **Independent Study**, Reinforcement Learning in Bipedal Walking Simulation, December, 2014 - March, 2015

Computer Vision

- **Algorithm Designer**, Detection, Tracking of Particles and Bubbles in IV Bags, December, 2014 - present.
Detection: covert the grayscale image which generated from optical flow into binary image with a threshold produced from the histogram to get separable patches;
Tracking: match the patches with prediction from Kalman filter based on cost of shape and distance.

Control

- **Individual**, Balance Maintenance for Humanoid Robots Subjected to External Disturbance, December, 2012 - June, 2014.
First author of the paper published at ICRA 2014, top 1 international conference in robotics.
[Publications](#) [Video\(1 min\)](#)

Awards

Best Student Application Paper Award, IFAC ICONS 2013, 2013.

Zhejiang University 2013 Session Excellent Bachelor Thesis Award, Zhejiang University, 2013.

Exchange Experience

Vancouver Summer Business Program, SAUDER School of Business, The University of British Columbia, July, 2012 - August, 2012.