

# Yiwei Yang

**Permanent Address** 4720 Burling St. Queens, NY 11355 **Current Address** 324 Observatory St. Ann Arbor, MI 48109 **Cell Phone** (646)549-7928 **Email** [yanyiwei@umich.edu](mailto:yanyiwei@umich.edu) **Personal Webpage** [yanyiwei.github.io](http://yanyiwei.github.io)

## EDUCATION

University of Michigan Ann Arbor, MI Major: Computer Science GPA: 3.5/4.0  
Relevant Courses: Data Structures and Algorithms, Computer Organization, Linear Algebra  
Awards/Honors: Dean's List(2015 Fall), qualification to American Invitational Mathematical Examination(top 5% nationally)

## EXPERIENCE

**Research Assistant** *advised by Walter Lasecki*  
*@Crowds and Machines Lab*

September 2015 - Now

- Developed on multiple interactive crowd powered systems that largely focus on the field of Human Computer Interaction

## PROJECTS

**Apparition** - *a system that helps user quickly create functional prototypes with interactive behaviors*

- Designed and developed an "animation path editing" feature that allows user to visualize the path of the elements in animation, and modify the animation by directly editing the path
- Designed a taxonomy by decomposing animation for learning the automation of animation using machine learning
- Designed and created a collection in the server to log user behavior while using the system

**Codeon** - *an IDE plugin that assists user program faster and more efficiently by providing them an online helper*

- Improved UI to help users visualize information and familiarize with the system quickly
- Added infrastructure for commenting to facilitate communication between end-user developer and helper

**Slow Search** - *a web application that studies the relationship between time and effort when searching*

- Designed and developed the front end of a web application for an online user study

## SKILL

**Programming Languages:** Assembly, C, C++, Javascript, HTML5/CSS, Matlab

**Frameworks & Libraries:** AngularJs, MeteorJs, JQuery, Bootstrap

## PUBLICATION

Yan Chen, Sang Lee, Yin Xie, **Yiwei Yang**, Walter S. Lasecki, Steve Oney. Codeon: OnDemand Software Development Assistance. In Proceedings of the International ACM Conference on Human Factors in Computing Systems (CHI 2017), Denver, USA.

S.W. Lee, **Y. Yang**, S. Yan, Y. Zhang, I. Wong, Z. Tan, M. McGruder, C.M. Homan, W.S. Lasecki. Creating Interactive Behaviors in Early Sketch by Recording and Remixing Crowd Demonstrations. In AAAI Conference on Human Computation Demos (HCOMP 2016). Austin, TX. 2016. (Poster)