

Yiwei Yang

Permanent Address 4720 Burling St. Queens, NY 11355 **Current Address** 324 Observatory St. Ann Arbor, MI 48109
CellPhone (646)549-7928 **Email** yanyiwei@umich.edu **Personal Webpage** yanyiwei.github.io

EDUCATION

University of Michigan Ann Arbor, MI

Major: Computer Science GPA: 3.5/4.0

Course Highlights: Data Structures and Algorithms, Computer Organization, Linear Algebra

Awards/Honors: Dean's List (2015 Fall, 2017 Winter), qualification to American Invitational Mathematical Examination (top 5% nationally)

PUBLICATIONS

- 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.
- Sang Wong Lee, **Yiwei Yang**, Shiyun Yan, Yujin Zhang, Isabelle Wong, Zhengxi Tan, Miles McGruder, Christopher M. Homan, Walter 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.
- Walter S. Lasecki, Harmanpreet Kaur, Mitchell Gordon, **Yiwei Yang**, Jaime Teervan, Ece Kamar and Jeffrey Bigham. CrowdMask: Using Crowds to Preserve Privacy in Crowd-Powered Systems via Progressive Filtering. In AAAI Conference on Human Computation Demos (HCOMP 2017), Quebec City, CAN.
- Sang Wong Lee, Yujin Zhang, Isabelle Wong, **Yiwei Yang**, Stephanie.D.O'Keefe, Walter S. Lasecki. SketchExpress: Remixing Animations For More Effective Crowd-Powered Prototyping Of Interactive Interfaces. In Proceedings of the ACM Symposium on User Interface Software and Technology (UIST 2017). Quebec City, Canada.

EXPERIENCE

Undergraduate Researcher *advised by Prof. Walter S. Lasecki*

Sept 2015 - Present

In Crowds and Machines Lab

- Worked on interdisciplinary projects relating to crowdsourcing, human computation, and artificial intelligence.
- Developed crowd-powered tools using a variety of web technology such as Javascript, SQL, and MongoDB.
- Submitted 5 papers and 1 poster with Professors and labmates to top conferences in Human Computer Interaction, with 3 paper and 1 poster accepted.

RESEARCH PROJECTS

Remixing Animations For More Effective Crowd-Powered Prototyping Of Interactive Interfaces

Undergraduate Researcher

Mar 2016 - Present

- Collaborated with 4 labmates to conceptualize animation structure for learning animation automation
- Programmed animation awareness feature to facilitate the collaboration of crowd workers

Codeon: On-Demand Software Development Assistance

Undergraduate Researcher

Sept 2015 – Feb 2017

- Built communication functionality between end-user and helpers
- Enhanced user interface to help users learn the tool more quickly
- Cooperated with Professor and 3 graduate students to publish the paper in CHI conference.

Preserving Privacy in Crowd-Powered Systems

Undergraduate Researcher

Jan 2017 - Present

- Innovated an image filtering algorithm which reduces cost by 40% and augments user privacy
- Tested and refined the tool to ensure its complete functioning

SKILLS

Programming Languages: C, C++, Javascript, HTML5/CSS, PHP, SQL, Swift

Frameworks & Softwares: AngularJS MeteorJS JQuery Bootstrap MongoDB Git Matlab