Yiwei Yang
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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), 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.
- 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.

EXPERIENCE

Undergradute Researcher *advised by Walter 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 3 papers and 1 poster with Professors and labmates to top conferences in Human Computer Interaction, with 1 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, Matlab, PHP, SQL, Swift
Frameworks & Libraries: AngularJs, MeteorJs, JQuery, Bootstrap, MongoDb