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)

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.

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

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.

SKILL

Programming Languages: Assembly, C, C++, Javascript, HTML5/CSS, Matlab, PHP, SQL, Swift
Frameworks & Libraries: AngularJs, MeteorJs, JQuery, Bootstrap, MongoDb