

Raymond Fok

Computer Science and Engineering
University of Michigan

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Research Interests

My research explores the intersection of HCI and AI through the design and development of hybrid intelligent systems to synthesize insights from data at scale.

Areas: Human-Computer Interaction, Artificial Intelligence, Data Science

Education

09/2016 – present **University of Michigan - Ann Arbor**
Ann Arbor, MI BSE in Computer Science
Minor in Mathematics
GPA: 3.88 / 4.00

09/2015 – 05/2016 **New York University - Tandon School of Engineering**
New York, NY BS Computer Science and Mathematics
GPA: 4.00 / 4.00
(transferred after 1st year)

Publications

Refereed Conference

- C.03 **R. Fok**, H. Kaur, S. Palani, M.E. Mott, W.S. Lasecki. Towards More Robust Speech Interactions for Deaf and Hard of Hearing Users. *ACM SIGACCESS Conference on Computers and Accessibility (ASSETS 2018)*. Galway, Ireland. pp 57–67.
- C.02 J.Y. Song, **R. Fok**, A. Lundgard, F. Yang, J. Kim, W.S. Lasecki. Two Tools are Better Than One: Tool Diversity as a Means of Improving Aggregate Crowd Performance. *ACM International Conference on Intelligent User Interfaces (IUI 2018)*. Tokyo, Japan. pp 559–570.
- C.01 S. Swaminathan, **R. Fok**, F. Chen, T.K. Huang, I. Lin, R. Jadvani, W.S. Lasecki, J.P. Bigham. WearMail: On-the-Go Access to Information in Your Email with a Privacy-Preserving Human Computation Workflow. *ACM Symposium on User Interface Software and Technology (UIST 2017)*. Quebec City, Canada. pp 807–815.

Journal Articles

- J.01 J.Y. Song, **R. Fok**, J. Kim, W.S. Lasecki. FourEyes: Leveraging Tool Diversity as a Means to Improve Aggregate Accuracy in Crowdsourcing. *ACM Transactions on Interactive Intelligent Systems (TiiS)*. 2018.

Workshop Papers

- W.02 J.Y. Song, **R. Fok**, F. Yang, K. Wang, A. Lundgard, W.S. Lasecki. Tool Diversity as a Means of Improving Aggregate Crowd Performance on Image Segmentation Tasks. *HCOMP Workshop on Human Computation for Image and Video Analysis (GroupSight 2017)*. Quebec City, Canada. 2017.
- W.01 S.R. Gouravajhala, J.Y. Song, J. Yim, **R. Fok**, Y. Huang, F. Yang, K. Wang, Y. An, W.S. Lasecki. Towards Hybrid Intelligence for Robotics. *Collective Intelligence Conference (CI 2017)*. New York, NY. 2017.

Experience

- 09/2016 – present **Crowds and Machines Lab, University of Michigan**
Ann Arbor, MI Undergraduate Researcher
- 05/2018 – 08/2018 **Goldman Sachs**
New York, NY Technology Analyst Intern
- 05/2016 – 08/2016 **Secure Systems Lab, New York University**
New York, NY Undergraduate Researcher

Awards

- 12/2017 **CRA-E Outstanding Undergraduate Researcher Finalist**
- 03/2018 **IUI (ACM Conference on Intelligent User Interface)**
Best Student Paper Honorable Mention