

**CONTACT
INFORMATION**

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Ann Arbor, MI, 48109

**RESEARCH
INTERESTS**

Human-Machine Hybrid Workflow, Programming Support Tools.

EDUCATION

University of Michigan, Ann Arbor, MI, US

Ph.D. in Information Science (2014 - present)

- Advisors: Professor Walter Lasecki and Professor Steve Oney

University of Colorado, Boulder, CO, US

M.S in Applied Mathematics (2014)

- Master Thesis: Asymptotic Series Solutions To One-Dimensional Helmholtz Equation
- Thesis Advisor: Professor Harvey Segur

University of Colorado, Boulder, CO, US

B.S. in Applied Mathematics and B.S. in Electrical and Computer Engineering (2014)

PUBLICATIONS

[9]. **Yan Chen**, Jaylin Herskovitz, Steve Oney, and Walter S. Lasecki. A Hybrid Workflow for Program Synthesis *CHI '18* (under reviewing)

[8]. Sang Won Lee, **Yan Chen**, and Walter S. Lasecki. Speech-To-Tasks: Real-Time Crowd Generation of Task Lists from Speech. Demo at *The AAAI Conference on Human Computation (HCOMP '17)*.

[7]. Sang Won Lee, **Yan Chen**, Noah Klugman, Sai R. Gouravajhala, Angela Chen, and Walter S. Lasecki. Exploring Coordination Models for Ad Hoc Programming Teams. Late-Breaking-Work at *International ACM Conference on Human Factors in Computing Systems (CHI 2017)*, Denver, USA.

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

[5]. **Yan Chen**, Steve Oney, Walter S. Lasecki. Expert Crowd Support Systems for Software Developers. Collective Intelligence 2016, New York, USA. (Oral presentation)

[4]. **Yan Chen**, Steve Oney, Walter S. Lasecki. Automatically Capturing Context to Create Microtasks for Software Development. Workshop at *International ACM Conference on Human Factors in Computing Systems (CHI 2016)*, San Jose, USA.

[3]. **Yan Chen**, Steve Oney, Walter S. Lasecki. Towards Providing On-Demand Expert Support for Software Developers. In *Proceedings of the International ACM Conference on Human Factors in Computing Systems (CHI 2016)*, San Jose, USA.

[2]. Esther Vasiete, **Yan Chen**, Ian Char, Tom Yeh, Vishal Patel, Larry Davis, Rama Chellappa. Toward a non-intrusive, physio-behavioral biometric for smartphones. In *Proceedings of the 16th international conference on Human-computer interaction with mobile devices & services. (Mo-*

bileHCI 2014), pp. 501-506. Toronto, Canada.

[1]. Vishal Patel, Tom Yeh, M Salem, Yangmuzi Zhang, **Yan Chen**, Rama Chellappa, Larry Davis. Screen Fingerprints: a Novel Modality for Active Authentication. *IT Professional* 15, no. 4 (2013):38-42.

TEACHING
EXPERIENCE

University of Michigan, Ann Arbor, MI, US

- Graduate Student Instructor for User Interface Development (Senior level) [[link](#)], (Fall 2017)
- Graduate Student Instructor for Introduction to Programming (Graduate level), (Fall 2016)
- Graduate Student Instructor for Data Visualization (Graduate level), (Fall 2015)

PROFESSIONAL
EXPERIENCE

Snap Inc., Seattle, WA, US

- Research Intern, (Jan. 2018 - Apr. 2018)
- Advisors: Dr. Andrés Monroy-Hernández

Harvard University, Cambridge, MA, US

- Undergraduate Research Assistant, (Jun. 2013 - Aug. 2013)
- Advisors: Professor Katharina Reinecke, Professor Krzysztof Gajos
Developed a web application supports website aesthetics quantification and visual aesthetics preference prediction.

University of Colorado, Boulder, CO, US

- Research Assistant, (Sep. 2012 - May 2014)
- Advisor: Professor Tom Yeh
Developed and conducted in-lab experiments for the DARPA active authentication project on personal computer and smart phone. Image/Video processing for pattern recognition.

University of Colorado, Boulder, CO, US

- Research Assistant, (Sep. 2012 - May 2014)
- Advisor: Professor Harvey Segur
Generalized hyperasymptotic series mechanism to approximate other functions. Discovered unavoidable oscillation in hyperasymptotic series mechanism.

STUDENTS
SUPERVISED

University of Michigan

- Undergraduate
 - Yiwei Yang** (Fall 2015 - present): Implementing features in Codeon system and assisting user studies and data analysis.
 - Zelin Pu** (Fall 2015 - May 2016): Assisted with user interface design and user studies.
 - Aaron Tatum** (Fall 2015 - May 2016): Assisted with user interface design and data analysis.
 - Gabriel Matute** (Fall 2016 - present): Implementing features in Codeon system and assisting user studies and data analysis.
 - Jaylin Herskovitz** (Fall 2016 - present): Implementing features in Codeon system and assisting user studies and data analysis.
- Master
 - Yin Xie** (Summer 2016): Assisted with designing, developing, and conducting Codeon evaluation study.

University of Colorado at Boulder

- Undergraduate
Ian Char (Fall 2013 - Spring 2014): Assisted with study design and data collection.

SERVICE

Paper reviewing

- PC member for Human Computation and Crowdsourcing (HCOMP) Demo/WiP '17
- Reviewer for Human Factors in Computing Systems (CHI) '16, '17
- Reviewer for User Interface Software & Technology (UIST) '16, '17

SKILL

COMPANY

Hunan Film and Vision Makerspace, Changsha, Hunan, China

- Co-Founder and Partner (Fall 2014 - present)
Introducing the first makerspace to Hunan Province focusing on film and vision innovation.