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## Education

- Aug 2017–Present **University of Michigan, Ann Arbor, MI.**  
PhD Student, Computer Science and Engineering (CSE)  
Research Interests: Human-Computer Interaction, End-User Programming  
Advisors: Walter S. Lasecki and Steve Oney
- Sept 2014–June 2015 **Massachusetts Institute of Technology, Cambridge, MA.**  
MEng, Electrical Engineering and Computer Science  
Thesis: VideoDoc: Combining Videos and Lecture Notes for a Better Learning Experience  
Advisor: Robert C. Miller
- Sept 2010–June 2014 **Massachusetts Institute of Technology, Cambridge, MA.**  
SB, Computer Science and Engineering

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## Professional Experience

- Sept 2016–July 2017 **Software Engineer, The MathWorks, Inc., Natick, MA.**
- Aug 2015–Sept 2016 **Application Support Engineer, The MathWorks, Inc., Engineering Development Group, Natick, MA.**
- Feb 2014–June 2015 **Student Researcher, MIT CSAIL, User Interface Design Group, Cambridge, MA.**
- June–Aug 2014 **Software Development Engineer Summer Intern, Microsoft Corporation, Redmond, WA.**
- May–Aug 2013 **Software Development Intern, The MathWorks, Inc., Natick, MA.**
- Summers 2009–2012 **Summer Intern, National Institutes of Health, Bethesda, MD.**

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## Teaching Experience

- Sept–Dec 2014 **Teaching Assistant - Software Studio, Cambridge, MA.**  
MIT Department of EECS
- Sept–Dec 2013 **Lab Assistant - Software Construction, Cambridge, MA.**  
MIT Department of EECS
- Jan 2012 Intersession **Lab Assistant - Introduction to Python, Cambridge, MA.**  
MIT Department of EECS
- Sept–Dec 2011 **Lab Assistant - Mathematics for Computer Science, Cambridge, MA.**  
MIT Department of EECS

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## Awards

- Sept 2017–Aug 2018 **University of Michigan CSE Fellowship, Ann Arbor, MI.**

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## Publications

### Conference Papers

- CSCW 2018 Sang Won Lee, **Rebecca Krosnick**, Sun Young Park, Brandon Keelean, Sach Vaidya, Stephanie D. O’Keefe, Walter S. Lasecki. Exploring Real-Time Collaboration in Crowd-Powered Systems Through a UI Design Tool. In *Proceedings of the ACM Conference on Computer-Supported Cooperative Work and Social Computing* 2018.

- UIST 2018 Steve Oney, Alan Lundgard, **Rebecca Krosnick**, Michael Nebeling, Walter S. Lasecki. Arboretum and Arbility: Improving Web Accessibility Through a Shared Browsing Architecture. In *Proceedings of the ACM Symposium on User Interface Software and Technology*. 2018. [21% Acceptance Rate]
- VL/HCC 2018 **Rebecca Krosnick**, Sang Won Lee, Walter S. Lasecki, Steve Oney. Espresso: Building Responsive Interfaces with Keyframes. In *Proceedings of the IEEE Symposium on Visual Languages and Human-Centric Computing*. 2018. [29% Acceptance Rate]
- VMCAI 2014 Rohit Singh, Rishabh Singh, Zhilei Xu, **Rebecca Krosnick**, Armando Solar-Lezama. Modular Synthesis of Sketches Using Models. *International Conference on Verification, Model Checking and Abstract Interpretation*. 2014.

Graduate Consortium

- VL/HCC 2018 **Rebecca Krosnick**. Creating Interactive User Interfaces by Demonstration using Crowdsourcing. In *Proceedings of the IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC 2018), Graduate Consortium*. 2018. *To appear*.

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### Academic Service

- 2018 **Reviewer**, *ACM Symposium on User Interface Software and Technology (UIST)*, Papers.
- 2018, 2019 **Reviewer**, *ACM Conference on Human Factors in Computing Systems (CHI)*, Papers.
- 2018 **Student Volunteer**, *ACM Conference on Human Factors in Computing Systems (CHI)*.

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### Department Service

- Oct 2017, 2018 **UMich “Lunch and Lab with a Grad” Mentoring Program**.
- May 2018–Present **UMich ECSEL (Women in CS) Webmaster**.
- September 2018 **Student panel for new PhD student orientation**.
- August 2018 **HCI presentation for UMich CS Kickstart**.
- March 2018 **HCI presentation for UMich GEECS (Girls in EECS)**.
- Jan–May 2018 **UMich ECSEL (Women in CS) Social Chair**.
- Sept 2017–May 2018 **UMich CSEG Intramural Sports Chair**.

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### Outreach

- April 2018–Present **UMich Girls Encoded - Middle School CS Outreach Program**.
- 2016, 2017 **Hour of Code**.

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### Mentoring

- 2017–2018 **Kayla Wiggins**, *Undergraduate*.

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### Computer skills

TypeScript, JavaScript, HTML, CSS, jQuery, Dojo, Node.js, Java, Python, MATLAB, Ruby on Rails, C++, C#, SQL, MongoDB, Git, Perforce