Michelle Ichinco

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Education

2012–2018	**Ph.D. Computer Science**, Washington University in St. Louis, St. Louis, MO.
	Research focus: Human-Computer Interaction and Learning
	Thesis: Supporting Independent Learning for Novice Programmers in an Open-Ended Context. Advisor: Caitlin Kelleher
2008–2012	**B.S.Computer Science**, Tufts University, Medford, MA, *Magna Cum Laude*

Honors

2017	**Best Paper Award**, IEEE Visual Languages and Human-Centric Computing (VL/HCC)
2017	**Selected Participant**, Heidelberg Laureate Forum
2017	**Travel Sponsorship Award**, Oak Ridge Associated Universities (ORAU)
2016	**Excellent Review**, ACM CHI Conference on Human Factors in Computing Systems
2015	**Selected and Funded Participant**, CRA-W Grad Cohort Workshop
2014	**NSF Graduate Research Fellowship Honorable Mention**
2013	**Selected and Funded Participant**, CRA-W Grad Cohort Workshop
2012	**Mr. and Mrs. Spencer T. Olin Fellowship Recipient**: 4 years of PhD funding
2011	**Selected Participant**, CRA-W REU

Experience

2012-2018	**Graduate Research Assistant**, *Washington University in St. Louis*.
	Topics: novice and end-user programming, examples, suggestions, API usability, crowdsourcing, cs education. Advisor: Caitlin Kelleher
May 2015 - Dec. 2015	**Research Intern**, *Bosch Research and Technology Center*, Pittsburgh, PA.
	Topics: Crowdsourcing and learning. Supervisor: Ji Eun Kim
2011 - 2012	**Undergraduate Research Assistant**, *Tufts University, HCI Lab*.
	Advisors: Rob Jacob and Evan Peck
2011 - 2012	**Junior Web Developer**, *Charles River Web*, Somerville, MA.
May 2011- Aug. 2011	**Undergraduate Research Assistant**, *Washington University in St. Louis*.
	Advisor: Caitlin Kelleher

Publications

Refereed Journal Articles

2017 **Michelle Ichinco**, Kyle J Harms and Caitlin Kelleher. *Towards Understanding Successful Novice Example Use in Blocks-Based Programming.* In: Journal of Visual Languages and Sentient Systems 3, July 2017 (2017), pp. 101–118.

Refereed Full Conference Papers

2018 (in submission) **Michelle Ichinco** and Caitlin Kelleher. *Project Description: generating suggestions for young novice programmers*

2017 - Best Paper Wint Yee Hnin, **Michelle Ichinco** and Caitlin Kelleher. *An Exploratory Study of the Usage of Different Educational Resources in an Independent Context.* In: 2017 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC)

2017 **Michelle Ichinco**, Wint Yee Hnin and Caitlin L. Kelleher. *Suggesting API Usage to Novice Programmers with the Example Guru.* In: Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems. CHI '17. Denver, Colorado, USA: ACM, 2017, pp. 1105–1117.

2015 **Michelle Ichinco** and Caitlin Kelleher. *Exploring novice programmer example use.* In: 2015 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC), IEEE. 2015, pp. 63–71.

2013 **Michelle Ichinco**, Aaron Zemach and Caitlin Kelleher. *Towards generalizing expert programmers' suggestions for novice programmers.*In: 2013 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC), IEEE. 2013, pp. 143–150.

Refereed Short Conference Papers

2017 **Michelle Ichinco** and Caitlin Kelleher. *Towards Better Code Snippets: Exploring How Code Snippet Recall Differs with Programming Experience.* In: 2017 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC), IEEE. 2017.

2012 Kyle J Harms, Jordana H Kerr, **Michelle Ichinco** et al. *Designing a community to support long-term interest in programming for middle school children.* In: Proceedings of the 11th International Conference on Interaction Design and Children. ACM. 2012, pp. 304–307.

Posters

2017 **Michelle Ichinco** and Caitlin Kelleher. *Towards Block Code Examples that Help Young Novices Notice Critical Elements* In: 2017 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC), IEEE. 2017.

2016 **Michelle Ichinco**, Wint Yee Hnin, and Caitlin Kelleher. *Suggesting Examples to Novice Programmers in an Open-Ended Context with the Example Guru* In: 2016 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC), IEEE. 2016, pp.230-231.

2015 **Michelle Ichinco** and Caitlin Kelleher. *Exploring Novice Programmer Example Use* CRA-W Grad Cohort 2015

2014 **Michelle Ichinco**, Yoanna Dosouto and Caitlin Kelleher. *A tool for authoring programs that automatically distribute feedback to novice programmers* In: 2014 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC), IEEE. 2014, pp. 207-208.

Workshops and Graduate Consortium

2017 **Michelle Ichinco** and Caitlin Kelleher. *A tool for authoring programs that automatically distribute feedback to novice programmers.* In: Blocks and Beyond Workshop (Blocks and Beyond), 2017 IEEE. IEEE, 2017.

2016 **Michelle Ichinco** and Caitlin Kelleher. *Personalized Feedback for Open-Ended Novice Programming.* In: WorkLearn 2016: Connecting Online Work and Online Education at Scale, CHI 2016.

2016 **Michelle Ichinco**. *Suggesting and supporting examples for novice programmers.* In: 2016 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC) Graduate Consortium, IEEE. 2016, pp. 260-261.

2015 **Michelle Ichinco** and Caitlin Kelleher. *Online Community members as mentors for novice programmers position statement.* In: Blocks and Beyond Workshop (Blocks and Beyond), 2015 IEEE. IEEE, 2015, pp.105-107.

2015 **Michelle Ichinco**, Kyle J. Harms, and Caitlin Kelleher. *Utilizing Programmer Communities for End User Programmer Feedback.* In: Workshop on End-User Development in the Internet of Things, CHI 2015.

2014 **Michelle Ichinco**. *Towards Crowdsourced Large-Scale Feedback for Novice Programmers.* In: 2014 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC) Graduate Consortium, IEEE. 2014, pp. 189-190.

Teaching and Mentoring

Fall 2016	**TA**, Human-Computer Interaction (Graduate-level)
Spring 2017	**TA**, Software Engineering (Undergraduate-level)
Summer 2017	REU Mentor: Annie Lee and Angela He, current undergraduate students
2016-2017	Mentor: Wint Hnin, currently a 3rd year PhD student
2014	REU Mentor: Jeremy Phillip, currently a MS student in HCI at Georgia Tech
Summer 2013	REU Mentor: Joanna Desouto, currently a User Experience Researcher at Google

Service

2016, 2018	**Reviewer**, ACM CHI
2017	**Reviewer**, VLHCC Showpieces
2017	**Program Committee**, HCI Across Borders Workshop at CHI
2015-2016	**Olin Fellowship Conference Planning Committee**
2014-2015	**Treasurer**, Washington University in St. Louis CSE Graduate Student Association
2014-2015	**Department Representative**, Washington University in St. Louis Graduate Council
-	**Professional Membership:** Institute of Electrical and Electronics Engineers (IEEE), Association for Computing Machinery (ACM)