

# MICHAEL NEBELING CURRICULUM VITAE / RESUME

Assistant Professor, University of Michigan School of Information  
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<http://mi2lab.com>

## RESEARCH INTERESTS

Human-Computer Interaction – Interactive Systems and Technologies – Augmented/Virtual Reality

## EMPLOYMENT AND AFFILIATIONS (SINCE 2009)

**University of Michigan**, School of Information, Ann Arbor, MI, USA  
Assistant Professor, Computer Science and Engineering (affiliate faculty) 2017-  
Assistant Professor, School of Information (tenure-track faculty) 2016-  
**Carnegie Mellon University**, HCI Institute, Pittsburgh, PA, USA  
Swiss NSF Advanced Postdoc.Mobility Fellow (Host: Anind K. Dey) 2015-2016  
**ETH Zurich**, Department of Computer Science, Zurich, Switzerland  
Senior Researcher, Lecturer 2012-2015  
Research and Teaching Assistant 2009-2012

## EDUCATION

**ETH Zurich – Doctor of Sciences in Computer Science** 2009-2012  
PhD thesis: “*Lightweight Informed Adaptation*” (Adviser: Moira C. Norrie)  
**Monash University – Honours in Information Technology and Systems** 2007  
Honours thesis: “*Towards a Generalised Content Model*” (Adviser: Lindsay Smith)  
**Ulm University – Diplom in Media Computer Science** 2003-2008

## HONORS AND AWARDS

**Swiss NSF Advanced Postdoc.Mobility Fellowship** 2015, 2016  
**ACM CHI Best Paper Honorable Mention** 2011, 2015  
**ACM EICS Best Paper** 2012, 2014  
**ACM ITS Best Paper Honorable Mention** 2014  
**Springer WISE Best Paper** 2014

## CONFERENCE ORGANIZATION AND PROGRAM COMMITTEES

**ACM CHI** ('14-'16, '18) **EICS** ('14-'18) **UIST** ('18) **IUI** ('14-'17) **AVI** ('14,'16) – **AAAI HCOMP** ('16, '18)

## FULL PAPERS AT ACM CHI AND ACM EICS (SEE MY [GOOGLE SCHOLAR PROFILE](#) FOR COMPLETE LIST OF PUBLICATIONS)

**M. Nebeling**, J. Nebeling, A. Yu, R. Rumble: *ProtoAR: Rapid Physical-Digital Prototyping of Mobile Augmented Reality Applications* **CHI'18**  
M. Speicher, **M. Nebeling**: *GestureWiz: A Human-Powered Gesture Design Environment for User Interface Prototypes* **CHI'18**  
E. McAweeney, H. Zhang, **M. Nebeling**: *User-Driven Design Principles for Gesture Representations* **CHI'18**  
**M. Nebeling**: *XDBrowser 2.0: Semi-Automatic Generation of Cross-Device Interfaces* **CHI'17**

<b>M. Nebeling</b> , A.K. Dey: <i>XDBrowser: User-Defined Cross-Device Web Page Designs</i>	CHI'16
<b>M. Nebeling</b> , A. To, A. Guo, A.A. de Freitas, J. Teevan, S.P. Dow, J.P. Bigham: <i>Wear-Write: Crowd-Assisted Writing from Smartwatches</i>	CHI'16
A.A. de Freitas, <b>M. Nebeling</b> , X.A. Chen, J. Yang, A.S.K.K. Ranithangam, A.K. Dey: <i>Snap-To-It: A User-Inspired Platform for Opportunistic Device Interactions</i>	CHI'16
<b>M. Nebeling</b> , M. Geel, O. Syrotkin, M.C. Norrie: <i>MUBox: Multi-User Aware Personal Cloud Storage</i> <b>BEST PAPER HONORABLE MENTION AWARD</b>	CHI'15
<b>M. Nebeling</b> , M. Husmann, T. Mints, M.C. Norrie: <i>Interactive Development of Cross-Device User Interfaces</i>	CHI'14
<b>M. Nebeling</b> , M. Speicher, M.C. Norrie: <i>W3Touch: Metrics-based Web Page Adaptation for Touch</i>	CHI'13
<b>M. Nebeling</b> , F. Matulic, M.C. Norrie: <i>Metrics for the Evaluation of News Site Content Layout in Large-Screen Contexts</i> <b>BEST PAPER HONORABLE MENTION AWARD</b>	CHI'11
M. Speicher, B.D. Hall, A. Yu, B. Zhang, H. Zhang, J. Nebeling, <b>M. Nebeling</b> : <i>XD-AR: Challenges and Opportunities in Cross-Device AR Application Development</i>	EICS'18
A. de Freitas, <b>M. Nebeling</b> , J. Yang, A. Ranithangam, A.K. Dey: <i>Bluewave: Enabling Opportunistic Context Sharing via Bluetooth Device Names</i>	EICS'16
<b>M. Nebeling</b> , D. Ott, M.C. Norrie: <i>Kinect Analysis: A System for Capturing, Visualising and Sharing User-Defined Interaction Sets based on Kinect</i>	EICS'15
<b>M. Nebeling</b> , E. Teunissen, M. Husmann, M.C. Norrie: <i>XDKinect: Development Framework for Cross-Device Interaction using Kinect</i> <b>BEST PAPER AWARD</b>	EICS'14
<b>M. Nebeling</b> , M. Speicher, M.C. Norrie: <i>CrowdAdapt: Enabling Crowdsourced Web Page Adaptation for Individual Viewing Conditions and Preferences</i>	EICS'13
<b>M. Nebeling</b> , M. Speicher, M.C. Norrie: <i>CrowdStudy: General Toolkit for Crowdsourced Evaluation of Web Interfaces</i>	EICS'13
<b>M. Nebeling</b> , M.C. Norrie: <i>jQMultiTouch: Lightweight Toolkit and Development Framework for Multi-touch/Multi-device Web Interfaces</i> <b>BEST PAPER AWARD</b>	EICS'12

#### TEACHING AT UNIVERSITY OF MICHIGAN

<b>Developing AR/VR Experiences</b>	2019-
<b>Introduction to AR/VR Application Design</b>	2018-
<b>Introduction to Interaction Design</b>	2017-2018
<b>Interaction Design Studio</b>	2016-

#### TEACHING AT CARNEGIE MELLON UNIVERSITY

<b>Programming Usable Interfaces</b> (with Anind K. Dey)	2015
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#### TEACHING AT ETH ZURICH

<b>Principles of Interaction Design</b>	2013-2014
<b>Mobile and Personal Information Systems</b> (with Moira C. Norrie)	2013-2015
<b>Human-Computer Interaction</b> (with Moira C. Norrie and Otmar Hilliges)	2011-2015