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|  | Steve OneyNote: The content of this CV is out of date.This document is instead intended to be are-usable template |
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|  | **University of Michigan** |  |
|  | 4381 North Quadrangle105 South State StreetAnn Arbor, MI 48109 | <http://from.so>1 (734) 999-0246soney@umich.edu |
|  | **Education** |
| *09/2008 – 04/2015**Pittsburgh, PA* | **Carnegie Mellon University**PhD in Human-Computer Interaction (thesis T.02 below)MS in Human-Computer InteractionAdvisor: Brad MyersCommittee: Joel Brandt (Adobe Research), Scott Hudson, John Zimmerman |
| *09/2003 – 08/2008**Cambridge, MA* | **Massachusetts Institute of Technology**MEng in Computer Science (thesis T.01 below)SB in Computer ScienceSB in Mathematics |
|  | **Professional Experience** |
| *09/2015 – present**Ann Arbor, MI* | **University of Michigan (School of Information)**Assistant Professor / Post Doctoral Presidential Fellow |
| *09/2008 – 04/2015**Pittsburgh, PA* | **Carnegie Mellon University (Human-Computer Interaction Institute)**Graduate Student and researcher |
| *03/2013 – 06/2013**San Francisco, CA* | **Advanced Technologies Labs, Adobe Systems, Research Intern**Designed and developed InterState, an interactive editor for creating highly interactive interfaces. (C.08) |
| *06/2011 – 09/2011**San Francisco, CA* | **Advanced Technologies Labs, Adobe Systems, Research Intern**Developed and evaluated “Codelets,” interactive documentation intended to help developers use example code snippets. (C.04) |
| *05/2009 – 08/2009**San Jose, CA* | **IBM Research, Almaden, Research Intern**Developed Playbook, a system that turns Photoshop drawings into interactive prototypes through programming-by-demonstration, conducted informal interviews with designers to develop design requirements. (C.03) |
| *01/2007 – 08/2008**Cambridge, MA* | **MIT Media Laboratory, Cognitive Machines Group, Researcher**Annotated baseball footage to train a system that automatically determines context from video frame content, wrote scripts to automate statistic gathering, and developed a system to search for statistics with natural language. (T.01) |
| *06/2006 – 08/2006**New York, NY* | **Bank of America Securities, Equity Capital Markets, Summer Analyst**Analyzed and reported on financial data of public corporations and created weekly updates sent to corporate clients. |
| *06/2005 – 08/2005**Redmond, WA* | **Microsoft Corporation, Software Development Engineering in Test Intern**Developed internal testing tools using the .NET framework for the (now defunct) Project Max. |
| *06/2004 – 08/2004**Webster, NY* | **Xerox Corporation, Engineer**Evaluated printer driver handicap accessibility against government standards. |
| *01/2004 – 05/2004**Cambridge, MA* | **MIT Media Laboratory, Cognitive Machines Group, Researcher**Developed and tested software & hardware to help improve the position awareness of Ripley, an anthropomorphic robot. |
| *09/2003 – 02/2004**Cambridge, MA* | **MIT Media Laboratory, Smart Architectural Surfaces Group, Researcher**Assembled, soldered, and organized “smart tiles” - interactive tiles. |
|  | **Publications** |
|  | **Refereed Conference:** |
| C.08 | **Oney, S.**, Myers, B., and Brandt, J. (2014) InterState: A Language and Environment for Expressing Interface Behavior. *ACM Symposium on User Interface Software and Technology (UIST)*, Honolulu, HI, USA, October 5–8. pp 263–272  |
| C.07*honorable mention for best paper award* | **Oney, S.**, Harrison, C., Ogan, A., and Wiese, J. (2013) ZoomBoard: A Diminutive QWERTY Soft Keyboard Using Iterative Zooming for Ultra-Small Devices. *ACM Conference on Human Factors in Computing Systems (CHI)*, Paris, France, April 27 – May 2. pp 2799–3002 |
| *C.06* | **Oney, S.**, Myers, B., and Brandt, J. (2012) ConstraintJS: Programming Interactive Behaviors for the Web by Integrating Constraints and States. *ACM Symposium on User Interface Software and Technology (UIST)*, Cambridge, MA, USA, October 7–10.pp 229–238 |
| *C.05* | Pandita, R., Xiao, X., Zhong, H., Xie, T., **Oney, S.**, and Paradkar, A. (2012) Inferring Method Specifications from Natural Language API Descriptions. *International Conference on Software Engineering (ICSE)*, Zürich, Switzerland, June 2–9*.* pp 815–825 |
| *C.04* | **Oney, S.** and Brandt, J. (2012) Codelets: Linking Interactive Documentation and Example Code in the Editor. *ACM Conference on Human Factors in Computing Systems (CHI)*, Austin, TX, USA, May 5–10. pp 2697–2706 |
| *C.03* | **Oney, S.**, Barton, J., Myers, B., Lau, T., and Nichols, J. (2011) Playbook: Revision Control & Comparison for Interactive Mockups. *International Symposium on End-user Development (IS-EUD)*, Torre Canne, Italy, June 7–10*.* pp 295–300 |
| *C.02* | Ozenc, K., Kim, M., Zimmerman, J., **Oney, S.**, and Myers, B. (2010). How to Support Designers in Getting Hold of the Immaterial Material of Software.  *ACM Conference on Human Factors in Computing Systems (CHI)*, Atlanta, GA, USA, April 10­–15. pp 2513–2522 |
| *C.01* | **Oney, S.** and Myers, B. (2009). FireCrystal: Understanding Interactive Behaviors in Dynamic Web Pages. *IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC)*, Corvallis, OR, USA, September 20–24. pp 105–108 |
|  | **Refereed Workshop & Doctoral Consortium:** |
| *W.06* | **Oney, S.**, Myers, B., and Brandt, J. (2013). Euclase: A Live Development Environment with Constraints and FSMs. *International Workshop on Live Programming, International Conference on Software Engineering (ICSE)*, San Francisco, CA, USA, May 19. |
| *W.05* | Myers, B., **Oney, S.**, Yoon, Y., and Brandt, J. (2013). Creativity Support in Authoring and Backtracking. *Workshop on Evaluation Methods for Creativity Support Environments, ACM Conference on Human Factors in Computing Systems (CHI)*, Paris, France, April 28. |
| *DC.04* | **Oney, S.** (2011) Development Tools for Interactive Behaviors. *Doctoral Consortium: International Symposium on End-user Development (IS-EUD)*, Torre Canne, Italy, June 7–10. pp 395–398 |
| *DC.03* | **Oney, S.** (2010) Democratizing Computational Tools for Interaction Designers. *Doctoral Consortium: IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC)*, Madrid, Spain, September 21–25. pp 249–250 |
| *DC.02* | **Oney, S.** (2009) Empowering Designers with Creativity Support Tools. *Doctoral Consortium: IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC)*, Corvallis, OR, USA, September 20–24. pp 254–255 |
| *W.01* | **Oney, S.**, Myers, B., and Zimmerman, J. (2009). Visions for Euclase: Ideas for Supporting Creativity through Better Prototyping of Behaviors. *Workshop on Computational Creativity, ACM Conference on Human Factors in Computing Systems (CHI)*, Boston, MA, USA, April 4 |
|  | **Thesis:** |
| *T.02* | **Oney, S.** (2015). Expressing Interactivity with States and Constraints. *Carnegie Mellon Ph.D Thesis*, Pittsburgh, PA, USA, April. |
| *T.01* | **Oney, S.** (2008). Natural Language Search of Structured Texts. *MIT M.Eng Thesis*, Cambridge, MA, USA, August. |
|  | **Invited Conferences and Other Presentations** |
| *03/2010**Dagstuhl, Germany* | **Dagstuhl: Practical Software Testing: Tool Automation and Human Factors** |
| *06/2009**San Jose, CA* | **IBM Almaden Lunch Seminar**FireCrystal: Understanding Interactive Behaviors in Dynamic Web Pages |
|  | **Service** |
|  | Peer Reviewing: |
| *2010 – 2015* | ACM Conference on Human Factors in Computing Systems (CHI) |
| *2011 – 2015* | ACM Symposium on User Interface Software & Technology (UIST) |
| *2014* | Conference on Human-Computer Interaction with Mobile Devices (MobileHCI) |
| *2010, 2012* | ACM Conference on Designing Interactive Systems (DIS) |
| *2008, 2009* | Philippine Journal of Science (PJS) |
|  | Conferences: |
| *2012 – 2015* | ACM CHI operations committee (mobile program) |
| *2013 – 2015* | ACM UIST operations committee (mobile program) |
| *2013, 2014* | ACM ITS operations committee (mobile program) |
| *2012* | ACM UbiComp organizer (mobile guide) |
| *2010, 2011* | ACM CHI mobile guide development team |
| *2010, 2011* | ACM CHI student volunteer |
|  | Other: |
| *2009 – 2015* | CMU Computer Science outreach roadshow volunteer **(**withWomen@SCS) |
| *2011 – 2014* | CMU Human-Computer Interaction Institute (HCII) ombudsman |
| *2010* | CMU Human-Computer Interaction Institute (HCII) visit weekend co-chair |
| *2009, 2010* | CMU HCII PhD lunch coordinator |
|  | **Teaching** |
| *09/2012 – 12/2012**Carnegie Mellon* | **Instructor – Web Lab, Programming User Interfaces**Developed syllabus, wrote lectures, created projects, presented, graded, and held office hours weekly.Instructor rating: 4.7/5.0 |
| *09/2010 – 12/2010**Carnegie Mellon* | **Instructor – GUI Lab, Programming User Interfaces**Developed syllabus, wrote lectures, created projects, presented, graded, and held office hours weekly.Instructor rating: 4.6/5.0 |
| *09/2007 – 05/2008**MIT* | **Teaching Assistant – Intro. to Computers and Problem Solving**Taught three recitation sections per week, held weekly office hours, and graded students’ exams |
| *06/2007 – 08/2007**MIT* | **Teaching Assistant – Interphase Physics I**Taught three classes per week, held weekly office hours, and mentored a group of incoming MIT freshmen |
| *02/2005 – 05/2005**MIT* | **Teaching Assistant – Technology Enabled Learning (TEAL) Physics II**  |
| *02/2005 – 12/2006**MIT* | **Laboratory Assistant – Circuits and Electronics**  |
| *09/2006 – 12/2006**MIT* | **Laboratory Assistant – Computational Structures** |
|  | **Students Supervised** |
| *01/2014 – 05/2014**Carnegie Mellon*  | **Sukhada Kulkarni**, *Undergraduate Independent Study with Brad Myers*Creating a direct-manipulation editor for the InterState development environment (ongoing). |
| *10/2013 – 05/2014**Carnegie Mellon*  | **Su Baykal**, *Undergraduate Independent Study with Brad Myers*Investigating cognitive barriers that end-user programmers face when using the InterState development environment (ongoing). |
| *09/2009 – 12/2009**Carnegie Mellon* | **David Tu**, *Undergraduate Independent Study with Brad Myers*Supervised David’s re-implementation of FireCrystal, a Firefox debugger that allowsprogrammers to see what fragments of Javascript, HTML, and CSS are responsible for interactive behaviors on the web. |
|  | **Press** |
| *VentureBeat, 2014* | [“Adobe and CMU researchers unveil a brilliant new JavaScript library: ConstraintJS.”](http://venturebeat.com/2014/06/23/adobe-and-cmu-researchers-unveil-a-brilliant-new-javascript-library-constraintjs/) June 23 |
| *Wired, 2013* | [“Researchers Figure Out How You Can Type on a Smartwatch.”](http://www.wired.com/gadgetlab/2013/05/zoomboard-smartwatch-typing/) May 1 |
| *Slashdot, 2013* | [“CMU Offers Wee QWERTY Texting Tech for Impossibly Tiny Devices.”](http://hardware.slashdot.org/story/13/05/01/1313206/carnegie-mellon-offers-wee-qwerty-texting-tech-for-impossibly-tiny-devices) May 1 |
| *Gizmodo, 2013* | [“How Typing on a Smart Watch Might Actually Make Sense.”](http://gizmodo.com/how-typing-on-a-smart-watch-might-actually-make-sense-484116402) April 29 |
| *MIT Tech Rev., 2013* | [“A QWERTY Keyboard for Your Wrist.”](http://www.technologyreview.com/news/514096/a-qwerty-keyboard-for-your-wrist/) April 27 |
|  | **Patents & Applications** |
| *03/2013* | US Patent Application 13/592153 “Methods and Apparatus for Code Segment Handling” Brandt, J. & **Oney, S.** |