

Jeff Avery, Curriculum Vitae

Lecturer | HCI Lab, Cheriton School of Computer Science, University of Waterloo.

Education

Ph.D Computer Science, University of Waterloo, 2018 (anticipated).
B.A.Sc Computer Science, McMaster University, 2012.
M.A. Anthropology, McMaster University, 1991.
B.A. Anthropology, McMaster University, 1990.

Awards

Mitacs Globalink Research Award, 2017. \$6500.
Ontario Graduate Scholarship, 2015-2016. \$15,000.
University of Waterloo President's Graduate Scholarship, 2015-2016. \$10,000.
Go-Bell Scholarship, University of Waterloo, 2013-2015. \$10,000.
TA Award, CS 349, University of Waterloo., Spring 2013. \$500.

Teaching

Instructor. CS 349: User Interfaces, University of Waterloo, 2014 - 2017.
Instructor. CS 246: Object-Oriented Programming, University of Waterloo, 2016.
Teaching Assistant. CS 330: Management Information Systems, University of Waterloo, Fall 2012.
Teaching Assistant. CS 349: User Interfaces. University of Waterloo, 2012 - 2015 (5 terms).

Publications

Jeff Avery, Sylvain Malacria, Mathieu Nancel, Géry Casiez and Lank, Edward (2018). Introducing Transient Gestures to Improve Pan and Zoom on Touch Surfaces. Proc. of CHI '18, the ACM CHI Conference on Human Factors in Computing Systems.

Jeff Avery, Mark Choi, Daniel Vogel, Edward Lank (2014). Pinch-to-Zoom-Plus: An enhanced pinch-to-zoom that reduces clutching and panning. Proc. of UIST'14, the 27th ACM Symposium on User Interface Software and Technology. p. 595-604.

Jeff Avery, Edward Lank (2016). Surveying Expert-Level Gesture Use and Adoption on Multi-Touch Tablets. Proceedings of the ACM Conference on Designing Interactive Systems. p. 577-581.

Patents

Loukipoudis, E. N., Brunsting, R. J. and Avery, J. F. (2006) Image Archiving System and Method. (Agfa Inc. Assignee).

Loukipoudis, E. N., Brunsting, R. J. and Avery, J. F. (2004) Image Data Dissemination System and Method. (Agfa Inc. Assignee).

Experience

Lecturer, Cheriton School of Computer Science, University of Waterloo, 2016-present.
Engineering Manager, Intel of Canada Ltd., 2009-2010.
Director of Software, Rapidmind Inc. (acquired by Intel of Canada Ltd.), 2006-2009.
Development Manager, Global Beverage Group, 2005-2006.
Senior Developer, Short Stacked Studios, 2005.
Product Architect, AGFA Healthcare, 2001-2004.
Development Team Lead, Mitra Imaging (acquired by AGFA Healthcare), 2001.
Development Team Lead, PixStream Inc. (acquired by Cisco Systems), 1999-2001.
Software Developer, Sir-Tech Canada Ltd., 1999.
Software Developer, Cognos Inc., 1995-1999.

Service

Mathematics Standings & Promotions Committee, University of Waterloo, 2017-2018.
Undergraduate Academic Plans Committee, University of Waterloo, 2017-2018.
Outreach Committee, University of Waterloo , 2016-2017.