Frank Austin Nothaft

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Education	**University of California, Berkeley** MS/PhD, Computer Science. August 2013–present. GPA: 3.8. **Stanford University** Bachelor of Science with Honors, Electrical Engineering. June 2011. GPA: 3.24. Minor in Management Science & Engineering
Publications	***Peer-Reviewed Conference Proceedings*** **Frank Austin Nothaft**, Luis Fernandez, Stephen Cefali, Nishant Shah, Luke Darnell, and Jacob Rael. "Pragma-based floating-to-fixed point conversion for the emulation of analog behavioral models." To appear at the *International Conference on Computer-Aided Design*, November 2014 (ICCAD '14). Krishna Malladi, **Frank Austin Nothaft**, Kartika Periythambi, Benjamin Lee, Christos Kozyrakis, and Mark Horowitz. "Towards energy-proportional datacenter memory with mobile DRAM." In *Proceedings of the International Symposium on Computer Architecture*, June 2012 (ISCA '12). ***Technical Reports*** Matthew Massie, **Frank Austin Nothaft**, Christopher Hartl, Christos Kozanitis, Anthony D. Joseph, and David Patterson. "ADAM: Genomics formats and processing patterns for cloud scale computing." *University of California, Berkeley Technical Report UCB/EECS-2013-207.* November 2013. ***Theses*** **Frank Austin Nothaft**, "Design strategies for compiler managed instruction stores." Honors Thesis, Stanford University, June 2011.
Honors	**NSF Graduate Research Fellowship** National Science Foundation, 2013–2016 **Hugh Hildreth Skilling Award for Teaching Excellence** Stanford University Department of Electrical Engineering, June 2011 **Departmental Honors** Stanford University Department of Electrical Engineering, June 2011
Presentations	***Conference Talks*** "The Emulation of Analog Behavioral Models." To appear at *International Conference on Computer Aided Design* (ICCAD '14), San Jose, CA, November 2014 "ADAM: Fast, Scalable Genome Analysis" *Bioinformatics Open Source Conference* (BOSC '14), Boston, MA, July 2014 *Spark Summit*, San Francisco, CA, June 2014

Presentations (con't.)	***Invited Talks*** "ADAM: Fast, Scalable Genome Analysis" To appear at *Novartis Institutes*, Cambridge, MA, October 2014 *Wellcome Trust Genome Center*, Hinxton, UK, July 2014 *Strata Big Data Science Meetup*, Santa Clara, CA, February 2014 "Automation For Validating Behavioral Models Against Schematics" With Nishant Shah, *Cadence Mixed Signal Design Summit*, San Jose, CA, September 2012

Experience	**Broadcom, Engineer, Staff 1—IC Design**	**April 2012–present**
	Broadcom, Engineer—IC Design	**June 2011–April 2012**
	Design verification and automation for RF/mixed-signal integrated circuits	

Teaching	**Digital Systems Design Lab**	**Spring 2010–2011**
	Dr. James Weaver, Stanford University, Course Assistant	
	Digital Systems Design 1	**Fall & Winter 2009–2011**
	Professor Subhasish Mitra, Stanford University, Course Assistant	

Service	***Conference Organization*** New Frontiers in Computing (NFIC) *Co-Chair,* Stanford, CA, 2010 *Organizing Committee Member,* Stanford, CA, 2009 ***Reviewing*** Hot Topics in Networks Workshop (HotNets), 2014 ***Professional Society Leadership*** Chair, IEEE Orange County Computer Society, 2013 Vice Chair, IEEE Orange County Computer Society, 2012 Chair, Stanford University IEEE Student Branch, June 2009–June 2011 ***Outreach*** Project Mentor *Techbridge,* Oakland, CA, February 2014–present Panel on Careers in Science, Technology, Engineering, and Mathematics *The Wooden Floor,* Santa Ana, CA, May 2012 ***Professional Society Membership*** **IEEE:** Member: 2011–present, Student Member: 2007–2011 **ACM:** Member: 2011–present, Student Member: 2011 **ISCB:** Student Member: 2014–present