Phillip Mates

Resume

Resides: Citizenship:	Somerville, MA USA, Brazil	Email: Web:	mates@ccs.neu.edu http://www.ccs.neu.edu/home/mates/	
Statement	I'm a software engineer with a backgr development. Having spent the last 2 yea formal models of compilers, I'm excited t with sharpened analytical abilities. I'm lo that builds well-measured software, is di places precedence on their development	ound in ars in a Pl o return t oking to j scerning : process.	data sciences and web nD program developing o the engineering world oin a development team about their tooling, and	
Education	Northeastern University, Boston, MAMS in Computer Science, December 2014Focus:Programming LanguagesAdvisor:Amal Ahmed	4		2012 - 2014
	University of Utah , Salt Lake City, UT BS with honors in Computer Science, <i>D</i>	ecember 2	2011	2008 - 2011
Technical Skills	Languages: Python, Java, JavaScript, C,	Haskell, I	Racket	
Programming & Research experience	Research Assistant , University of Utah, Built a static analyzer capable of static of Android applications. The analyzer supported higher-order control flow.	UT ally verif targeted	ying permission usage Dalvik byte-code and	Summer 2012
	Software Engineer , Space Monkey, UT Developed device monitoring softwa undergraduate and graduate studies.	re in No	ode.js in between my	Summer 2012
	Software Engineer Intern , Google, Sant Built a domain name classifier to enforce internal analytics scripts.	a Monica policy vi	a, CA iolations and developed	2011
	Visiting Research Student, Institute for Worked with Computational Physicists t tools. Surveyed the field of Randomness implementation designs for use in Mont	Theoretic o create u Extractor e Carlo si	cal Physics, ETH Zürich useful data management rs and explored possible imulations.	2010
	Research Undergrad , Scientific Compu Lead developer of an online visualization VisTrails system to foster collaboration present and share their visualizations. I source provenance and workflow manage	ting and l n reposito n and ena Developer gement sy	Imaging Institute, UT ory which leveraged the able scientists to easily r for the VisTrails open- stem.	2009 - 2010

A Provenance-Based Infrastructure to Support the Life Cycle of Executable <i>ICCS 2011</i> Papers D. Koop, E. Santos, P. Mates, H. Vo, P. Bonnet, B. Bauer, B. Surer, M. Troyer, D. Williams, J. Tabling, J. Enviro, and C. Silva			
CrowdLabs: Social Analysis and Visualization for the Sciences	SSDBM 2011		
P. Mates, E. Santos, J. Freire and C. Silva International Conference on Scientific and Statistical Database Management			
The ALPS project release 2.0:			
Open source software for strongly correlated systems	JSTAT 2011		
B. Bauer et al. (ALPS collaboration).			
Journal of Statistical Mechanics: Theory and Experiment			
Towards Supporting Collaborative Data Analysis and Visualization in a Coastal Margin Observatory	CSCW 2010		
E. Santos, P. Mates, E. Anderson, B. Grimm, I. Freire and C. Silva	2010		
Workshop on The Changing Dynamics of Scientific Collaboration			
Kripke Logical Relation for Affine Functions:			
The Story of a Free Theorem in the Presence of Non-termination The 2nd ACM SIGPLAN Workshop on Higher-Order Programming with Effects, Boston, MA	Sept. 2013		
Analyzing Android Applications with Abstract Interpretation Student Research Competition	ICFP 2012		
Teaching assistant , CS2500 <i>Introduction to Programming and Computing</i> Introductory undergraduate CS course at Northeastern University modeled off of "How to Design Programs".	2012,2014		
	 A Provenance-Based Infrastructure to Support the Life Cycle of Executa Papers D. Koop, E. Santos, P. Mates, H. Vo, P. Bonnet, B. Bauer, B. Surer, M. Troyer Williams, J. Tohline, J. Freire and C. Silva. <i>International Conference on Computational Science</i> CrowdLabs: Social Analysis and Visualization for the Sciences P. Mates, E. Santos, J. Freire and C. Silva <i>International Conference on Scientific and Statistical Database Management</i> The ALPS project release 2.0: Open source software for strongly correlated systems B. Bauer et al. (ALPS collaboration). <i>Journal of Statistical Mechanics: Theory and Experiment</i> Towards Supporting Collaborative Data Analysis and Visualization in a Coastal Margin Observatory E. Santos, P. Mates, E. Anderson, B. Grimm, J. Freire and C. Silva <i>Workshop on The Changing Dynamics of Scientific Collaboration</i> Kripke Logical Relation for Affine Functions: The Story of a Free Theorem in the Presence of Non-termination The 2nd ACM SIGPLAN Workshop on Higher-Order Programming with Effects, Boston, MA Analyzing Android Applications with Abstract Interpretation Student Research Competition Teaching assistant, CS2500 Introduction to Programming and Computing Introductory undergraduate CS course at Northeastern University modeled off of "How to Design Programs". 		