

Dr. Bryce Boe

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Education

- 2014 Doctor of Philosophy in Computer Science
University of California, Santa Barbara
- 2013 Master of Science in Computer Science
University of California, Santa Barbara
- 2008 Bachelor of Science in Computer Science
University of California, Santa Barbara

Ph.D. Fields of Study

- 2011 – 2014 Computer Science Education with Dr. Diana Franklin, LSOE
- 2009 – 2011 Computer Security with Professor Giovanni Vigna and Professor Christopher Kruegel
- 2008 Computer and Social Networking with Professor Ben Y. Zhao

UCSB Teaching Experience

- Fall 2015 Instructor, CS290B Scalable Internet Services
- Winter 2014 Teaching Assistant, CS24 Problem Solving with Computers II, Dr. Diana Franklin, LSOE
- Fall 2013 Instructor, CS24 Problem Solving with Computers II
- Summer 2013 Instructor, CS24 Problem Solving with Computers II
- Summer 2012 Instructor, CS32 Object Oriented Design and Implementation
- Winter 2012 Teaching Assistant, CS24 Problem Solving with Computers II, Dr. Diana Franklin, LSOE
- Fall 2011 Instructor, CS501 Teaching Assistant Training
- Spring 2011 Teaching Assistant, CS170 Operating Systems, Professor Ben Y. Zhao
- Fall 2009 Instructor, CS501 Teaching Assistant Training
- Spring 2009 Teaching Assistant, CS170 Operating Systems, Professor Christopher Kruegel
- Winter 2009 Teaching Assistant, CS160 Compilers, Professor Timothy Sherwood

UCSB Teaching Awards

- 2012 Outstanding Computer Science Teaching Assistant, College of Engineering
- 2011 Outstanding Teaching Assistant, UCSB Academic Senate
- 2009 Outstanding Computer Science Teaching Assistant, College of Engineering
- Spring 2009 Outstanding Teaching Assistant, Computer Science Department
- Winter 2009 Outstanding Teaching Assistant, Computer Science Department

Professional Experience

- Since 2016 Senior Software Engineer, Tech Lead, AppFolio, Inc.
- 2014 – 2016 Senior Software Engineer, AppFolio, Inc.
- 2005 – 2014 Software Development and Networking Consultant, WorldViz, LLC.
- Summer 2011 Software Engineering Intern, Appfolio, Inc.
- Summer 2009 Software Engineering Intern, Appfolio, Inc.
- Summer 2008 Software Engineering Intern, Google
- 2005 – 2006 Software Developer, VCEL, Inc.
- 2004 Computer Support Intern, Northrop Grumman

Publications

- July 2013 Hilary Dwyer, Bryce Boe, Charlotte Hill, Diana Franklin, and Danielle Harlow “Computational Thinking for Physics: Programming Models of Physics Phenomenon in Elementary School” In *Proceedings of the 2013 Physics Education Research Conference (PERC 2013)*, Portland, OR
- March 2013 Bryce Boe, Charlotte Hill, Michelle Len, Greg Dreschler, Phillip Conrad, and Diana Franklin “Hairball: Lint-inspired Static Analysis of Scratch Projects” In *Proceedings of the 44th SIGCSE Technical Symposium on Computer Science Education (SIGCSE 2013)*, Denver, CO

- March 2013 Diana Franklin, Phillip Conrad, Bryce Boe, Katy Nilsen, Charlotte Hill, Michelle Len, Greg Dreschler, Gerardo Aldana, Paulo Almeida-Tanaka, Brynn Kiefer, Chelsea Laird, Felicia Lopez, Christine Pham, Jessica Suarez, and Robert Waite “Assessment of Computer Science Learning in a Scratch-Based Outreach Program” In *Proceedings of the 44th SIGCSE Technical Symposium on Computer Science Education (SIGCSE 2013)*, Denver, CO
- October 2011 Adam Doupé, Bryce Boe, Christopher Kruegel, and Giovanni Vigna “Fear the EAR: Discovering and Mitigating Execution After Redirect Vulnerabilities” In *Proceedings of the 18th ACM Conference on Computer and Communications Security (CCS 2011)*, Chicago, IL
- July 2010 Nick Childers, Bryce Boe, Lorenzo Cavallaro, Ludovico Cavedon, Marco Cova, Manuel Egele, and Giovanni Vigna “Organizing Large Scale Hacking Competitions” In *Proceedings of the 7th Conference on Detection of Intrusions and Malware & Vulnerability Assessment (DIMVA 2010)*, Bonn, Germany
- April 2009 Christo Wilson, Bryce Boe, Alessandra Sala, Krishna P. N. Puttaswamy, and Ben Y. Zhao “User Interactions in Social Networks and their Implications” In *Proceedings of the 4th ACM European Conference on Computer Systems (EuroSys 2009)*, Nuremberg, Germany
- August 2008 Gayatri Swamynathan, Christo Wilson, Bryce Boe, Kevin C. Almeroth, and Ben Y. Zhao “Do Social Networks Improve e-Commerce?: A Study on Social Marketplaces” In *Proceedings of 1st Workshop on Online Social Networks (WOSN 2008)*, Seattle, WA