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

Winter 2021	Instructor, CS291A Scalable Internet Services
Fall 2019	Instructor, CS291A Scalable Internet Services
Fall 2018	Instructor, CS291A Scalable Internet Services
Fall 2017	Instructor, CS291A Scalable Internet Services
Fall 2016	Instructor, CS291A Scalable Internet Services
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 2017	Staff Software Engineer, Tech Lead, AppFolio, Inc.
2016 – 2017	Senior Software Engineer, Tech Lead, AppFolio, Inc.
2014 – 2016	Senior Software Engineer, AppFolio, Inc.
2005 – Present	Web Operations 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