Nicholas Nelson

Curriculum Vitae

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Education

2015–Current **Doctorate of Philosophy**, *Computer Science*, Oregon State University, Corvallis, Oregon.
GPA: *3.67*, Concentration: *Software Engineering*, Advisor: *Anita Sarma*

2012–2015 **Bachelor of Science**, *Computer Science*, Oregon State University, Corvallis, Oregon.
GPA: *3.35*, Project: *Clang AST Analysis & Repair* (Sponsor: Garmin AT, Ltd.)

- Honor Roll, Winter 2015
- Honor Roll, Fall 2014
- Honor Roll, Spring 2014
- Honor Roll, Winter 2014

2006–2008 **Associate of Applied Science**, *Computer Information Systems*, Portland Community College, Portland, Oregon.
GPA: *3.34*

- President's List, Spring 2008
- Dean's List, Winter 2008
- Dean's List, Fall 2007
- Dean's List, Winter 2007

2006–2008 **Associate of General Studies**, Portland Community College, Portland, Oregon.
GPA: *3.53*

1999–2003 **High School Diploma**, South Albany High School, Albany, Oregon.
GPA: *2.93*

Publications

[C3] Michael Hilton, Nicholas Nelson, Timothy Tunnell, Darko Marinov, and Danny Dig. Trade-offs in Continuous Integration: Assurance, Security, and Flexibility. Proceedings of ACM SIGSOFT Symposium on the Foundations of Software Engineering (FSE'17), Sep 2017.

[C4] Shane McKee, Nicholas Nelson, Anita Sarma, and Danny Dig. Software Practitioner Perspectives on Merge Conflicts and Resolutions. Proceedings of IEEE International Conference on Software Maintenance and Evolution (ICSME'17), Sep 2017.

[C2] Nicholas Nelson, Anita Sarma, and André van der Hoek. Towards an IDE to Support Programming as Problem-Solving. Psychology of Programming Interest Group Workshop (PPIG'17), Jul 2017.

[C1] Michael Hilton, Nicholas Nelson, Hugh McDonald, Sean McDonald, Ron Metoyer, and Danny Dig. TDDViz: Using Software Changes to Understand Conformance to Test Driven Development. pages 53–65. Proceedings of Agile Processes, in Software Engineering, and Extreme Programming: 17th International Conference (XP'16), May 2016.

Professional Experience

2015–Current **Graduate Research Assistant (GRA)**, Oregon State University, Corvallis, Oregon.
Advisor: *Anita Sarma*

2015–Current	**Graduate Teaching Assistant (GTA)**, Oregon State University, Corvallis, Oregon. Courses: *CS361: Software Engineering I (Winter 2016, Winter 2017)*
2014–2015	**Undergraduate Research Assistant**, Oregon State University, Corvallis, Oregon. Advisor: *Danny Dig*
2013–2014	**Undergraduate Teaching Assistant**, Oregon State University, Corvallis, Oregon. Courses: *CS160: Computer Science Orientation, CS161: Introduction to Computer Science I, CS162: Introduction to Computer Science II*
2013	**Process Engineering Intern**, *Inkjet High-speed Product Solutions (IHPS) Division*, Hewlett Packard Enterprise, Corvallis, Oregon. Project: *IHPS Web Press Consumables Warranty Tracking System*
2010–2012	**System Analyst I**, *Information Services Division*, Samaritan Health Services, Corvallis, Oregon.
2008–2010	**Help Desk Analyst**, *Information Services Division*, Samaritan Health Services, Corvallis, Oregon.
2007–2008	**UNIX Server Operations Intern**, *Software and Services Group*, Intel Corporation, Hillsboro, Oregon.
2007	**Engineering Computing Support Intern**, *Software and Services Group*, Intel Corporation, Hillsboro, Oregon.

Service

2016–Current	**Steward**, Coalition of Graduate Employees – Local 6069 (AFT, AFL-CIO), Corvallis, Oregon.
2017	**Reviewer**, 32nd IEEE/ACM International Conference on Automated Software Engineering (ASE), Urbana-Champaign, Illinois.
2016	**Attendee**, 24th ACM SIGSOFT International Symposium on the Foundations of Software Engineering (FSE), Seattle, Washington.
2015	**Reviewer**, 30th IEEE/ACM International Conference on Automated Software Engineering (ASE), Lincoln, Nebraska.
2015	**Attendee**, 30th IEEE/ACM International Conference on Automated Software Engineering (ASE), Lincoln, Nebraska.
2014	**Attendee**, 3rd ACM SIGPLAN Systems, Programming, Languages and Applications: Software for Humanity (SPLASH) Conference, Portland, Oregon.

Coursework

Winter 2017	**CS569: Empirical Lab Studies of Software Development**, Oregon State University. Professor: *Anita Sarma*
Fall 2016	**CS519: Research Methods in HCI: Inclusive Design**, Oregon State University. Professor: *Margaret Burnett*
	ST511: Methods of Data Analysis, Oregon State University. Professor: *Lisa Madsen*
Spring 2016	**CS569: Empirical Methods of Software Engineering**, Oregon State University. Professor: *Anita Sarma*
	CS569: Static Analysis and Model Checking for Dynamic Analysis, Oregon State University. Professor: *Alex Groce*

Winter 2016 **CS519: Sensemaking in Software Development**, Oregon State University.
Professor: *Anita Sarma*

CS581: Programming Languages II, Oregon State University.
Professor: *Martin Erwig*

Fall 2015 **CS561: Software Engineering I**, Oregon State University.
Professor: *Danny Dig*

CS589: Programming Languages I, Oregon State University.
Professor: *Eric Walkingshaw*