

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, Spring 2014
 - Honor Roll, Fall 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, Fall 2007
 - Dean's List, Winter 2008
 - 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. Trade-offs in Continuous Integration: Assurance, Security, and Flexibility. 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. Software Practitioner Perspectives on Merge Conflicts and Resolution. 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*