

NICHOLAS NELSON

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Education

2015–Present	Doctorate of Philosophy in Computer Science Concentration: Software Engineering Oregon State University Corvallis, Oregon	GPA: 4.00 Advisor: Danny Dig
2010–2015	Bachelor of Science in Computer Science Minor: Business and Entrepreneurship Senior Project: <i>Clang AST Analysis & Repair</i> , Sponsor: Garmin AT, Ltd. Oregon State University Corvallis, Oregon Awards: Honor Roll (Winter, Spring, Fall 2014, Winter 2015)	GPA: 3.35
2006–2008	Associates of Applied Science in Computer Information Systems Associates of General Studies Portland Community College Portland, Oregon Awards: President's List (Spring 2008), Dean's List (Winter, Fall 2007, Winter 2008)	GPA: 3.34 GPA: 3.53

Experience

2015–Present	Graduate Teaching Assistant Graduate Research Assistant School of Electrical Engineering & Computer Science Oregon State University Corvallis, Oregon	(Winter 2016) (Fall 2015)
2014–2015	Undergraduate Research Assistant School of Electrical Engineering & Computer Science Oregon State University Corvallis, Oregon	
2013–2014	Undergraduate Teaching Assistant School of Electrical Engineering & Computer Science Oregon State University Corvallis, Oregon	
2013	Process Engineering Intern Software Project: <i>IHPS Web Press Consumables Warranty Tracking System</i> Inkjet High-speed Product Solutions (IHPS) Division Hewlett Packard Enterprise Corvallis, Oregon	(Summer 2013)
2008–2012	Systems Analyst Help Desk Specialist Information Services Division Samaritan Health Services Corvallis, Oregon	(2010–2012) (2008–2010)
2007–2008	UNIX Server Operations Intern Engineering Computing Support Intern Software and Services Group Intel Corporation Hillsboro, Oregon	(2008) (2007)

Publications

2015 Michael Hilton, Nicholas Nelson, Hugh McDonald, Sean McDonald, Ron Metoyer, and Danny Dig. *TDDViz: Using Software Changes to Understand Conformance to Test Driven Development*. Agile Processes, in Software Engineering, and Extreme Programming: 17th International Conference (XP 2016), May 24, 2016.

Conferences

2015 30th IEEE/ACM International Conference on Automated Software Engineering (ASE) Lincoln, Nebraska

2014 3rd ACM SIGPLAN Systems, Programming, Languages and Applications: Software for Humanity (SPLASH) Conference Portland, Oregon

Skills & Certifications

Languages C\C++, Java, Ruby, Haskell, Idris, Prolog, R, LaTeX, Python, Perl, Bash, PHP, Groovy, ColdFusion, JavaScript, jQuery, CSS, T-SQL, Intel IA-32 Assembly, make, XML, JSON

Technologies Git, Android, Android Studio, IntelliJ IDEA, Microsoft SharePoint, Microsoft Active Directory, Ninja Framework, MySQL, PostgreSQL, Apache Hadoop, Apache Hive, Apache HBase, Windows Server 2003/2008/2012, Microsoft XP/8/10, RedHat/Fedora Linux, Gentoo Linux

Certificates *jQuery Novice* (Code School), *Ruby Novice* (Code School)

Spoken Languages English (Fluent), Spanish (Basic), German (Elementary), Mandarin Chinese (Elementary), Japanese (Elementary)

Coursework

Graduate Level

Spring 2016 CS589 - Empirical Methods of Software Engineering
CS589 - Static Analysis and Model Checking for Dynamic Analysis

Winter 2016 CS581 - Programming Languages II
CS519 - Sensemaking in Software Development

Fall 2015 CS561 - Software Engineering
CS589 - Programming Languages I

Undergraduate Level

Summer 2015 CS321 - Introduction to Theory of Computation
CS325 - Analysis of Algorithms

Spring 2015 CS463 - Senior Software Engineering Project III
CS381 - Programming Language Fundamentals
ST314 - Statistics for Engineers

Winter 2015 CS462 - Senior Software Engineering Project II
CS440 - Database Management Systems
CS480 - Translators

Fall 2014 CS461 - Senior Software Engineering Project I
CS444 - Operating Systems II

Spring 2014 CS362 - Software Engineering II

	MTH232 - Elements of Discrete Mathematics II
Winter 2014	CS361 - Software Engineering I
	CS372 - Fundamentals of Computer Networks
Fall 2013	CS344 - Operating Systems I
Spring 2013	CS261 - Data Structures
	CS271 - Computer Architecture & Assembly Language
	MTH252 - Integral Calculus
Winter 2013	MTH231 - Elements of Discrete Mathematics I
Winter 2004	MTH251 - Differential Calculus

June 12, 2016