

NICHOLAS NELSON

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EDUCATION

Doctor of Philosophy, Computer Science
Oregon State University, Corvallis, Oregon
Concentration: Software Engineering, Advisor: Anita Sarma
GPA 3.70
September 2015 – Present

Bachelor of Science, Computer Science
Oregon State University, Corvallis, Oregon
Senior Project: Clang AST Analysis & Repair, Sponsor: Garmin AT, Ltd.
GPA 3.35
September 2015

Associate of Applied Science, Computer Information Systems
Portland Community College, Portland, Oregon
GPA 3.34
December 2008

Associate of General Studies
Portland Community College, Portland, Oregon
GPA 3.53
June 2008

PROFESSIONAL EXPERIENCE

Graduate Research Assistant
Oregon State University
School of Electrical Engineering & Computer Science
September 2015 – Present

Graduate Teaching Assistant
Oregon State University
School of Electrical Engineering & Computer Science
January–March 2016, 2017

Undergraduate Research Assistant
Oregon State University
School of Electrical Engineering & Computer Science
Advisor: Danny Dig
April 2014 – August 2015

Undergraduate Teaching Assistant
Oregon State University
School of Electrical Engineering & Computer Science
September 2013 – June 2014

Process Engineering Intern
Hewlett Packard Enterprise
Inkjet High-speed Product Solutions (IHPS) Division
Project: IHPS Web Press Consumables Warranty Tracking System
June – September 2013

Systems Analyst

Samaritan Health Services
Information Systems Department

July 2008 – December 2012

Engineering Computing Support Intern
Intel Corporation
Engineering Computing Division

June 2007 – July 2008

PUBLICATIONS

- [1] M. Hilton, **N. Nelson**, H. McDonald, S. McDonald, R. Metoyer, and D. Dig, “TDDViz: Using Software Changes to Understand Conformance to Test Driven Development,” pp. 53–65, Proceedings of Agile Processes, in Software Engineering, and Extreme Programming: 17th International Conference (XP’16), 2016.
- [2] D. Bogdanas, **N. Nelson**, and D. Dig, “Analysis and Transformations in Support of Android Privacy,” Submitted and Under Review.
- [3] M. Hilton, **N. Nelson**, D. Dig, T. Tunnell, and D. Marinov, “Continuous Integration (CI) Needs and Wishes for Developers of Proprietary Code,” Submitted and Under Review.

MEMBERSHIPS

Student Member, Association for Computing Machinery (ACM)

2015 – Present

HONORS

Honor Roll, Oregon State University

Winter 2015

Honor Roll, Oregon State University

Fall 2014

Honor Roll, Oregon State University

Spring 2014

Honor Roll, Oregon State University

Winter 2014

President’s List, Portland Community College

Spring 2008

Dean’s List, Portland Community College

Winter 2008

Dean’s List, Portland Community College

Fall 2007

Dean’s List, Portland Community College

Winter 2007

COMMUNITY SERVICE

Steward, Coalition of Graduate Employees Local 6069 (AFT, AFL-CIO)

September 2016 – Present

Reviewer, 30th IEEE/ACM International Conference on Automated Software Engineering (ASE)

2015

CONFERENCES

Attendee, 24th ACM SIGSOFT International Symposium on the Foundations of Software Engineering
Seattle, Washington, USA FSE 2016

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

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

COURSEWORK

CS519 - Research Methods in HCI: Inclusive Design Fall 2016

ST511 - Methods of Data Analysis Fall 2016

CS569 - Empirical Methods of Software Engineering Spring 2016

CS569 - Static Analysis and Model Checking for Dynamic Analysis Spring 2016

CS519 - Sensemaking in Software Development Winter 2016

CS581 - Programming Languages II Winter 2016

CS561 - Software Engineering I Fall 2015

CS589 - Programming Languages I Fall 2015