Nicholas Nelson

School of Electrical Engineering & Computer Science
Oregon State University
Corvallis, Oregon 97331

☎ +1 (541) 224-6912
✉ nelsonni@oregonstate.edu
🌐 web.engr.oregonstate.edu/∼nelsonni

EDUCATION

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

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

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

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

PROFESSIONAL EXPERIENCE

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

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

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

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

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

Systems Analyst

Samaritan Health Services   July 2008 – December 2012
Information Systems Department

Engineering Computing Support Intern
Intel Corporation   June 2007 – July 2008
Engineering Computing Division

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] N. Nelson, A. Sarma, and A. van der Hoek, "Towards an IDE to Support Programming as Problem-Solving," Psychology of Programming Interest Group Workshop (PPIG'17), To appear.

[3] M. Hilton, N. Nelson, T. Tunnell, D. Marinov, and D. Dig, "Trade-offs in Continuous Integration: Assurance, Security, and Flexibility," Proceedings of ACM SIGSOFT Symposium on the Foundations of Software Engineering (FSE'17), To appear.

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, International Conference on Automated Software Engineering   ASE'2017

Reviewer, 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

CS569 - Empirical Lab Studies of Software Development   Winter 2017

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