

# MELINDA MINCH

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## SKILLS

C#, C, C++, Java, SQL, XML/XSLT, scripting in Bash and Windows shell, learning new technologies quickly, testing for dynamic requirements and goals

## EXPERIENCE

### Software Development Engineer In Test, Microsoft Corporation

#### [Microsoft Live Labs Seadragon](#)

April 2008 - Present

Test projects of varying size, scale, platform, language and technology; Live Labs releases everything from APIs in C to JavaScript web applications. See the poster presentation in the Publications section for greater detail and a demo.

Drive code coverage data collection and summarization.

Develop and maintain test automation infrastructure as well as automated tests themselves.

#### [Microsoft Office SharePoint Search](#)

March 2007 – April 2008

Tested search relevance features using both automated and manual tests, sometimes using academic papers on search relevance algorithms as a supplement to the technical specification.

Worked with the Microsoft Natural Language Group to integrate their work into SharePoint Search.

#### Microsoft Office Shared Services

July 2005 – March 2007

Tested features of the Open XML file format, including parts of the [Open XML specification](#).

Drove organization-wide testing of URLs with internationalized domain names for Office 2007.

#### Instructor, Elementary Computer Programming

August – December 2004

#### [Case Western Reserve University Electrical Engineering and Computer Science Department](#)

Prepared and delivered lectures twice weekly about beginning C++ and programming concepts to 100 first-year students.

Managed the instructors of smaller recitation sections.

## PUBLICATIONS

#### [It's Doing What and it's Shipping When!? Testing in an Experimental Environment](#)

October 2009

Poster presentation, Pacific Northwest Software Quality Conference

#### [Tree-Based Methods for Classifying Software Failures](#)

November 2004

International Symposium on Software Reliability Engineering

#### [Automated Support for Classifying Software Failure Reports](#)

May 2003

International Conference on Software Engineering

## EDUCATION

#### [Case Western Reserve University](#)

Cleveland, Ohio

M.S. computer science, *summa cum laude*.

May 2005

[Thesis](#) on automated software failure classification and visualization.

B.A. computer science, *cum laude*.

May 2002

Minors in physics and music.