

ERIC N. RAUCH
Software Developer



Educational Background

B.A., Computer Science with honors, Sonoma State University

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Professional Experience

Mr. Rauch joined STI in 2008 as a Software Developer in the Web Services Group. His primary duties involve software application development and quality assurance for a variety of web-based projects.

Mr. Rauch contributed to software development projects for the U.S. Environmental Protection Agency's (EPA) AIRNow program including www.AIRNowTech.org and www.EnviroFlash.info. He also assisted with web service development for AIRNow Gateway and AIRNow International.

Mr. Rauch has worked on a number of public outreach websites for air quality organizations including www.CleanAirPartners.net for the Metropolitan Washington Council of Governments, www.SpareTheAir.com for the Sacramento Metropolitan Air Quality Management District, and www.MahoningValleyAir.org for the Eastgate (Ohio) Regional Council of Governements.

Mr. Rauch has contributed to software developed using Web 2.0 technologies including a dynamic, map-based web page (using Keyhole Markup Language [KML] on an embedded Google Map) for the Shasta County Air Quality Management District. In addition, he developed a Facebook application presenting air quality forecasts and automated Twitter postings for the Michigan Department of Environmental Quality.

Prior to STI, Mr. Rauch worked for Autodesk as an IT Enterprise Application QA-Automation Intern. He helped create Flex 3 Flash interfaces to access test data results located on Oracle and MySQL servers. He also provided assistance in solving legacy issues with Flex applications and helped automate the Flash interfaces to allow users to dynamically change stored information.

While studying Computer Science, Mr. Rauch worked at Sonoma State University as a Network and Telecommunications Student Assistant. He was responsible for assisting the network and phone analysts with the day-to-day operation of the university's telecommunications infrastructure; including configuration and deployment of Cisco Systems networking devices.

Mr. Rauch has experience with a variety of programming and markup languages, including ColdFusion, JSP, PHP, .NET/C#, JavaScript, AJAX, ASP.NET, C++, HTML, CSS, SQL, and Actionscript. He also developed and supported a variety of databases (SQL Server, SQLite, MySQL, and PL/SQL), design tools (FrontPage, Adobe Photoshop, Visio, and AutoCAD LT), and platforms (Microsoft Windows 98/2000/XP/VISTA and Macintosh OS X).