

# Jimmy Schementi - Software Developer

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Professional software developer and program manager experienced in building programming languages and developer tools. Interested in continuing to make software that makes people's lives easier, including my own.

## Skills

Ruby, Python, JavaScript, C#, C++, compilers, web development, and user-interface design. See *each position for more specific skills/experiences*.

## Experience

### Microsoft

Program Manager (7/2007 - Present)

Project manager and software developer for open-source programming languages and tools, specifically IronRuby, IronPython, and the Dynamic Language Runtime (DLR). Oversee the following areas:

- [IronRuby](#), which involves release management, specification and documentation writing, evangelism through blogs, public appearances, and various social media, and development/compiler work where needed. [IronRuby 1.0](#) shipped in April 2010.
- [DLR Hosts](#), which integrate DLR-languages with special application-models. I owned the spec-writing, coding, and testing of each project. See "Open Source Projects" section for more info.
- Process streamlining - make sure this small team in a huge company has the tiniest process overhead as possible. Communicated with lawyers and management about what could be streamlined, and implemented the changes -- instead of weeks of reviews it's boiled down to 1 meeting and a couple emails.
- [Lang.NET](#), a 3-day conference of programming language and developer tool developers.
- Websites - designed and built the main websites for both [IronRuby](#) and [IronPython](#).

*ruby, python, C#, .NET, compilers, Silverlight, Rails, ASP.NET, project management, GIT, TFS, working at a huge company*

Program Manager Intern (Summer 2006)

Worked on the IronPython team, specifically working on Windows Presentation Foundation and ASP.NET integration.

*python, C#, WPF, ASP.NET*

### Worcester Polytechnic Institute AI Lab

Assistment.org Lead Developer (1-6/2007)

Lead WPI's Artificial Intelligence lab in a redesign/rebuild of [Assistment](#), an intelligent tutoring system. Everything was re-thought, from the user-interface designed to the software that ran the system; originally written in Java it was rewritten using [Ruby on Rails](#). Not only was the system

easier to manage and maintain, it also had more-complete features than the original. The system was gradually rolled out to schools, and it is still in use today.

*ruby, Rails, ITS, user-interface design, Java, HTML/CSS, JavaScript*

## General Electric

Information Management Leadership Program Intern (Summer 2005)

Lead a user-acceptance testing effort between teams in US and India.

*project management, user-acceptance testing*

See my [LinkedIn profile](#) for a more-complete job history.

## Education

**Masters, Computer Science**, Worcester Polytechnic Institute, 2005-2007

**Bachelors, Computer Science**, Worcester Polytechnic Institute, 2002 - 2006

## Open-source projects

### IronRuby

Implementation of the Ruby programming language for .NET-based runtimes.

### IronPython

Implementation of the Python programming language for .NET-based runtimes.

### Gestalt

Enables Python and Ruby developers to run their language in the browser through Silverlight. This is a crucial feature when it comes to differentiating the Iron\* implementations from others.

### ironruby-rack

Enables IIS and other ASP.NET-based web-servers to run web applications written in Ruby-based web-frameworks, like [Ruby on Rails](#), [Sinatra](#), etc. This significantly lowers the barrier of entry for both Windows shops looking at Ruby, and Ruby developers who need to deploy on Windows.

### MerlinWeb

Enabled Python developers to write websites using the ASP.NET Framework.

### IronMVC:

Enables Ruby developers to write websites using the ASP.NET MVC framework.

## Additional information available upon request