Web Development with Ajax Technologies Program

A seven-week in-depth program covering Web development with Ajax technologies

Overview

DePaul University's Web Development with Ajax Technologies Program is designed to provide an in-depth introduction to the development of interactive, interoperable, and user-centered websites using JavaScript and client-centric technologies associated with the term Ajax (Asynchronous JavaScript + XML). Ajax techniques and technologies allow interactive websites to have the rich look and feel typical of desktop applications. For example, basic Ajax allows a Web page to be updated in part without interfering with the display and the behavior of the remaining page; an additional benefit is efficiency in that a page can be updated without reloading it in its entirety.

The Web Development with Ajax Technologies Program focuses on programming techniques, languages, and frameworks used to build social-networking and media-sharing sites as well as state-of-the-art wikis, blogs, mashups, and folksonomies. It covers the basics of client-side JavaScript and Ajax programming together with popular frameworks such as jQuery, Prototype, and script.aculo.us. Topics in the curriculum include: JavaScript programming; writing browser-agnostic JavaScript; DOM-based manipulation of HTML documents; programming in jQuery, Prototype and script.aculo.us; interacting with the event model; client-side debugging techniques; asynchronous server requests (Ajax); animation and visual effects; form management and validation; JSON and XML data representation; and a survey of other JavaScript extension libraries such as YUI and GWT.

Because the program is oriented towards developers, there will be a wide variety of code segments and sample applications. Classroom lectures and demonstrations will be complemented by reading and programming assignments.

Admission:

Applicants must have a solid programming background (at least two years of professional software development experience is preferred), including experience with Web development and HTML.

The Web Development with Ajax Technologies Program is one of several certificate programs offered by the College of Computing and Digital Media through its Institute for Professional Development. The program is catalogued as DePaul University course IPD 356 and carries 4 undergraduate-level credit hours (quarter system). The course credit and a certificate of completion from DePaul University are awarded to those who successfully complete the program’s academic requirements.

Spring Quarter 2011

Dates & Location:

Application due: Mar. 17, 2011
Tuition due: Mar. 24, 2011

On-campus: scheduled to meet at DePaul’s Loop Campus on Thursday evenings (5:45pm-9pm) and Saturday mornings (9am-12:15pm).

Online: An online section will be conducted in conjunction with the on-campus section. For more information about the online section, see the enclosed insert.

DePaul University reserves the right to cancel any program before that program’s first meeting.

Fees:

Application: $40.00 (non-refundable) – to be submitted with a completed application
Tuition: $1,550.00

Textbooks are a separate purchase to be made by students.

Full payment of tuition must be received by the Institute for Professional Development office before the start of the program. The university's refund policy allows a return of 100% of tuition (minus a separate $25 registration fee) if the student drops the Web Development with Ajax Technologies Program by April 28, 2011.

Applicants wishing to use the university’s DePEPER Plan (DePaul University’s Extension Plan for Employer Reimbursement), the In-Term Payment Plan, or a third-party billing arrangement should contact the Institute for Professional Development office for details.

Additional Information

For inquiries, please contact DePaul University’s Institute for Professional Development at (312) 362-6282, or visit ipd.cdm.depaul.edu.

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