

UCSD StudentTECH 2012

Advanced Technology for Middle School Students

Sponsored by the San Diego Supercomputer Center, University of California, San Diego

Introduction to Web Development: Learning HTML, CSS, and Javascript

Wednesday- Friday, June xx- xx, 2012

Class meets at the University of California, San Diego from 8:30am - 3:00pm.

Introduction to Web Development: Learning HTML, CSS, and Javascript

Course Description

During the last 5 years, web applications have become commonplace throughout almost everyone's experience on the Internet. Gmail, Hotmail, Facebook, Twitter, Wordpress, Evernote, and Groupon are all web applications build by web developers. The technologies powering these Internet phenomena boast unparalleled accessibility and potential for inspiring young programmers. While the topic may be quite expansive, any willing student can learn web development and have a blast doing it. Even students who have never programmed will enjoy creating their own web applications.

Students in this workshop will be using WebMatrix™, which is a web development tool from Microsoft that includes everything you need for website development. WebMatrix is to web development what Word is to writing. Start from open source web applications, built-in web templates or just start writing code yourself. It is all-inclusive, simple and best of all free. Developing websites has never been easier.

Course Overview

This course is intended to provide an overview of web development to student with little to no previous experience. The topics will include the following technologies: HTML, CSS, JavaScript, and jQuery. Students will learn these technologies through practical real-life examples and demonstrations.

Workshop Schedule

1. Introduction to HTML and CSS
 - a. Create a web page using HTML
 - b. Make it look create using CSS
2. A Deeper Look at HTML and CSS
 - a. The tricks of the trade that makes your page great
3. Introduction to JavaScript
 - a. How to do what HTML can not
 - b. Add additional functionality to your pages using JavaScript
4. jQuery widgets and plugins
 - a. How to utilize other developer's JavaScript contributed to jQuery

Instructor: Derrick McMillan, UCSD

Prerequisites:

- Must be a current middle school student in grade 6– 8.
- No previous programming experience is required.
- Willingness to learn and listen carefully to expert instruction.

Course fee: \$135.00

Registration deadline: May 31, 2012. Space is limited.

If you have any questions regarding this workshop or the application process, please contact Ange Mason via phone at 858 534-5064 or via email at amason@ucsd.edu.

Introduction to Web Development: Learning HTML, CSS, and Javascript

June 20-22, 2012

Applicant Information:

Name: _____
Last First Middle

Mailing address: _____
Street Address or Post Office Box City/State Zip

Telephone: _____ Email: _____

Date of birth: _____ Age as of June 30, 2012: _____

Gender: _____ Male _____ Female

San Diego County Middle or High School: _____
School name District

Grade completed by June 2012: _____

Email: (optional) _____

Parent or Legal Guardian Information (if applicant is under 18): (Please Print)

Name: _____

Mailing address: _____
Street Address or Post Office Box City/State Zip

Telephone: (Home) _____ (Work) _____

Email: (Please Print) _____

Course fee: \$135.00

Please make your check or money order payable to UC Regents and submit both payment and application in a single envelope to the following address:

Ange Mason
Attn: Student Summer Workshops
San Diego Supercomputer Center
University of California, San Diego
9500 Gilman Drive, Mail Code 0505
La Jolla, CA 92093-0505

If you have any questions regarding this workshop or the application process, please contact Ange Mason via phone at 858 534-5064 or email at amason@ucsd.edu.