

# Jeff Sale – Portfolio Part 1

Guide to Professional Portfolio

<http://www.edworlds.com/portfolio/>

## CONTENTS

### **Courses and Workshops Taught (in reverse chronological order).**

**CIS215: Introduction to JavaScript and jQuery**

**CIS219: PHP/MySQL Dynamic Web Applications**

**GD222: Flash Web Animation**

**CIS211: Introduction to HTML/CSS**

**Workshops**

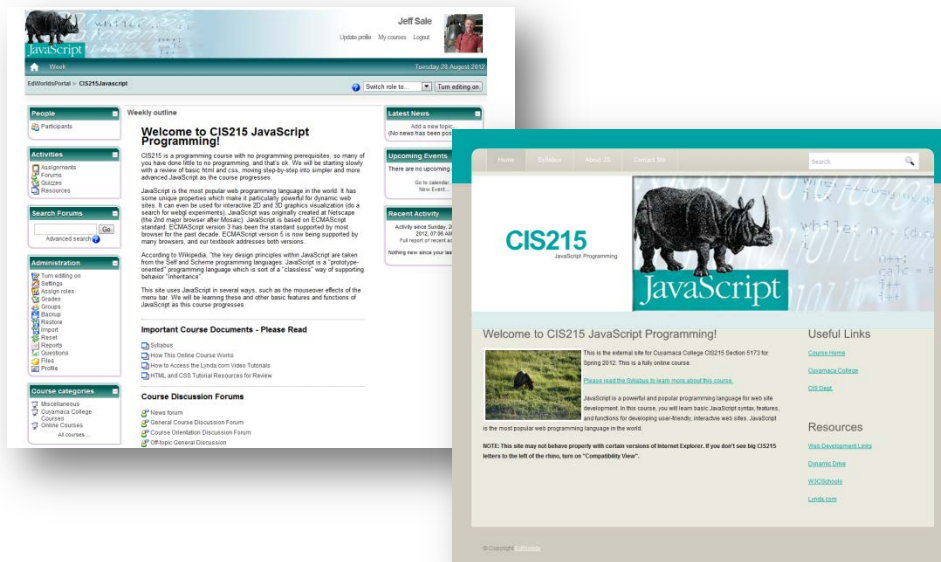
# Courses Taught

## CIS215 - JavaScript

Public URL: <http://www.edworlds.com/cis215/>

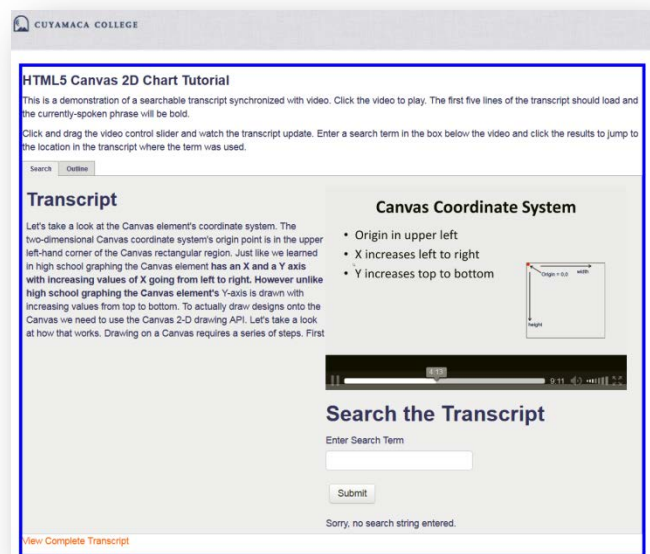
Private URL: <http://edworlds.com/ed Moodle/course/view.php?id=15> (guest access available on request)

**Description:** Introduction to JavaScript (CIS215). This is a fully online course I developed for Cuyamaca College using my EdWorlds Moodle site for the private content. **Links to student work are available at the above link.**



### Course Highlights:

For this course I developed an interactive video tutorial on Graphics with JavaScript using the Canvas Element using a customized interface integrated into Moodle which synchronizes the transcript with the video, allows the transcript to be searched (similar to Lynda.com), and tracks student activity while using the tutorial. I would be happy to provide access to a demonstration of this tool. **I developed the tool with HTML5, JavaScript, PHP, and MySQL.**



# CIS219: PHP MySQL Dynamic Web Applications

Public URL: <http://www.edworlds.com/gd219/>

Private URL: <http://edworlds.com/ed Moodle/course/view.php?id=17> (guest access available on request)

**Description:** This is an introductory course taught fully online to second-year undergraduate students at Cuyamaca College. I taught this course for two semesters, Fall 2010 and Fall 2011. The public site was originally hosted on the Cuyamaca College web server but moved to my own personal server. The private site is hosted on my EdWorlds Moodle.

The image displays two screenshots of the CIS219 course website. The left screenshot shows the public site, which includes a navigation menu with links for CIS219 Home, Syllabus, Assignments, and CIS Department. The main content area features the course title "CIS 219: PHP With MySQL - Dynamic Web Applications" and the instructor's name, Jeff Sale. A section titled "Section 1188" provides information about the fully online nature of the course. A red callout box over this screenshot reads "CIS219 PHP/MySQL public site." The right screenshot shows the private Moodle site, titled "CIS 219 PHP MySQL Fall 2012". It features a header with the course title and a logo, and a sidebar with various navigation options like People, Activities, and Administration. The main content area includes a "Weekly outline" section with a welcome message and a list of course materials. A red callout box over this screenshot reads "CIS219 PHP/MySQL private site."

# CIS211: CSS/XHTML

Public URL:

<http://www.cuyamaca.edu/jeff.sale/cis211/default.asp>

Description: I taught CSS/XHTML (CIS211) fully online using the **Blackboard CMS**. This course was taught during the Spring 2010 semester.



The image shows a screenshot of the Blackboard CMS interface for the course CIS 211. The main area displays a list of assignments for the semester, including:

- WEEK 1: Course Orientation, Intro to Web Languages
- WEEK 2: Haptmet
- WEEK 3: Building Blocks
- WEEK 4: FTP, Hosting, & Domain Names
- WEEK 5: Images and Backgrounds
- WEEK 6: HTML Standards
- WEEK 7: XHTML, CSS
- WEEK 8
- WEEK 9
- WEEK 10

Overlaid on the bottom right is a course page titled "CIS 211: Web Markup Languages - Jeff Sale, Instructor". The page includes the following sections:

- 211 home**
- Syllabus**
- Schedule**
- Videos**
- Assignments**
- FAQs**
- Blackboard**
- Head First files**
- Developer Links**
- J. Sale home**
- CIS Department**
- Search JST's site:**
- Register Online**
  - California Community Colleges offer small class sizes and dedicated teachers at an incredible price.
  - Apply Online
    - Once you have applied, you can use WebAdvisor to sign up for classes.
- Textbook:**
  - Head First HTML with CSS & XHTML by Elizabeth Freeman & Eric Freeman ISBN: 013610197X \$26 on Amazon
  - see [O'Reilly book site](#) for pdf version, code downloads, examples, links, errata, and forum.
  - Lynda.com video training (see cost, optional)
    - Full accounts will be available for "check out", details to be announced when class begins

# GD222: Introduction to Flash Web Animation

Public URL: <http://www.cuyamaca.edu/jeff.sale/gd222/>

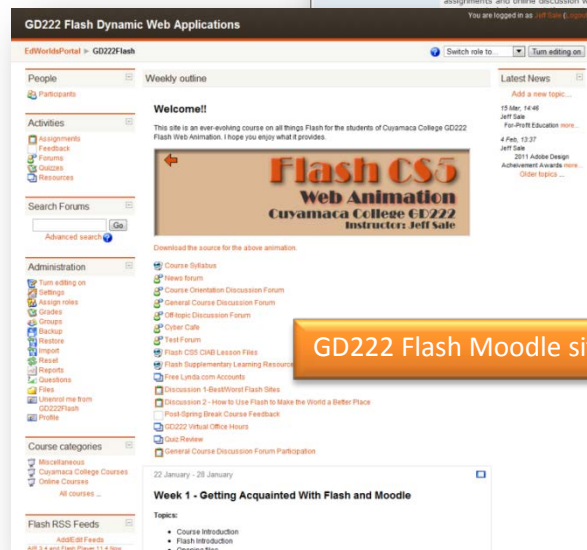
Private URL: <http://edworlds.com/edmoodle/course/view.php?id=4> (guest access available on request)

**Description:** This is an introductory hybrid course (face-to-face and online) taught at Cuyamaca College for five semesters, Fall 2007, Spring 2008, 2009, 2010, and most recently Spring 2011.

This course provides second-year undergraduate students a thorough exposure to the most powerful web development environment available. The course has a public and private site, the private site being hosted by my own Edworlds Moodle server. **Links to student work are available on the page at the above link.**



GD222 Flash public site.



GD222 Flash Moodle site.

# Workshops

**These are some of the workshops I have delivered and for which I created instructional content.**

**2005, “Share Your World”.** 2005 UCSD COSMOS Program Workshop for Middle and High School Girls. Girls were given access to an interactive map where they could upload a Powerpoint slide presentation of their favorite place and associate it with a dot on a map. Map-based interface developed with Java Servlets and Google Maps 2.0 API.

**2007, “Introduction to Scientific Visualization”.** Supercomputing Conference Education Program. This was a three-hour workshop for educators on visualization resources and methods for instruction.

**2008, “Introduction to Scientific Visualization”.** Supercomputing Conference Education Program. This was a three-hour workshop for educators on visualization resources and methods for instruction.

**2008, “The Beauty of Math: Fractals, Chaos, and Interactive Art with Matlab”.** This was a one-day workshop for middle and high school girls.

**2013, “Introduction to Graphics with AppInventor”.** SDSC StudentTECH Education Workshop. This was a two-day workshop for middle and high school students on graphics with AppInventor, such as a drawing program or a graphing calculator.

**2013, “Introduction to 3D Printing with the Robo3D Printer”.** SDSC StudentTECH Education Workshop. This was a one-day workshop for middle and high school students on 3D printing with lessons on computer science principles involved in the process of designing your model and configuring the 3D printing software.

**2014, “Hour of Code: Introduction to Storytelling With Scratch”.** This was a one-day workshop for middle school girls in the Expand Your Horizons Program on the Scratch visual programming language. CS focus idea was learning about conditionals for storytelling.

**2014, “Go-Go Gadget! 3D Printing and Electronics for the Creative Geek”.** SDSC StudentTECH Education Workshop. This was a week-long workshop for middle and high school students on creative ways to incorporate simple electronics like batteries and LEDs into 3D-printed models.

**2015, “Hour of Code: Introduction to Storytelling With Alice”.** This was a one-day workshop for K-8 students on the Alice programming language. CS focus idea was learning about conditionals for storytelling.