

# Occupations in Web Development

## Web Development and Administration

- > Computer Programmer > Web Developer > Web Programmer/Analyst
- > Internet Project Mgr. > Web Graphic Designer > Webmaster
- > Web Administrator

## Web Development Facts

- In 2006, the word “google” was officially added to the *Oxford English Dictionary* as a verb.
- Google search revolutionized the Web, Gmail revolutionized free email, and Google Voice is expected to revolutionize telephones.<sup>1</sup> Google Voice links multiple phones—unifying phone numbers, transcribing voicemail, blocking calls, sending, receiving and storing text messages. Google Voice is configured and maintained by the user in a web-based application.
- As of December 2009, there are 234 million websites.<sup>2</sup>
- In 2009, there were 47 million new websites.<sup>2</sup>
- According to an Arbitron Edison Research study, if forced to choose, more Americans would give up television than the Internet.

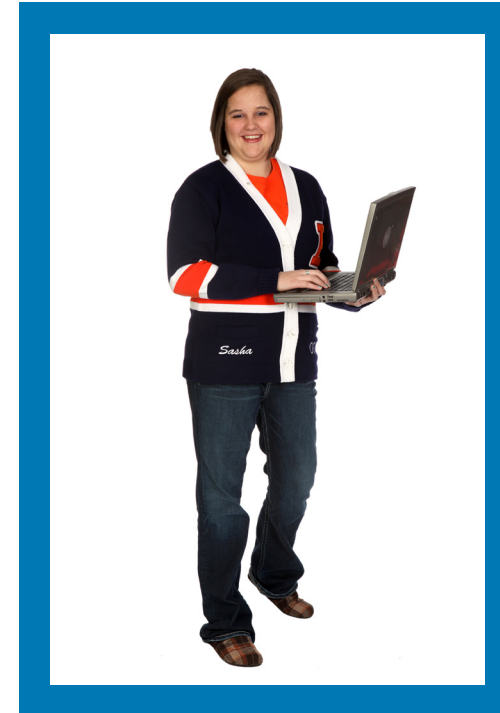
<sup>1</sup> NYTimes.com blog David Progue

<sup>2</sup> <http://royal.pingdom.com/2010/01/22/internet-2009-in-numbers>

Break free of the traditions and barriers that limit your choices.  
What’s stopping you? Be different! Try something new!  
Is a nontraditional career in your future?

# Web Development and Administration

A NONTRADITIONAL CAREER PATH FOR WOMEN



Talk to your school counselor  
about a nontraditional career in web development.

*Break free of the barriers that limit your career choices.*

[www.UtahCTE.org](http://www.UtahCTE.org)



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Larry K. Shumway, Ed.D., State Superintendent of Public Instruction  
Mary Shumway, State Director of Career and Technical Education



INFORMATION TECHNOLOGY EDUCATION

## Nontraditional Careers

Did you know a nontraditional career is any occupation in which women or men comprise 25 percent or less of its total employment?

Women in nontraditional occupations earn more money than those in female-oriented fields.

Choosing a nontraditional career path can mean:

- > Greater job satisfaction.
- > Higher wages and better benefits.
- > Great advancement opportunities.
- > Economic self-sufficiency.
- > Broader job opportunities.
- > Freedom to pursue a career related to your interests and abilities.

**BREAK with tradition and explore a nontraditional career!**

## Web Development as a Career

Web developers use specialized software language and tools to create applications for the Web. They identify site users and oversee production and implementation. Their responsibilities include the design, coding, organization, and visual appearance of Web sites. In addition, they may use Web development software to integrate databases and other information systems.

## CTE Pathways

High school is a great time to try out a wide range of Career Pathways by enrolling in Career and Technical Education (CTE) courses. As an added bonus, you will be developing work-related skills that can be put to immediate and profitable use.

CTE provides courses and Pathways consistent with industry training and certification, thus providing depth and meaning for both visual and hands-on learning and education that can be applied in today's job market.

Through participation in CTE, Information Technology (IT) Education can guide you as you take courses in the Web Development and Administration Pathway.

By taking Information Technology courses, you will learn the latest in computer technology with hands-on application. You will also gain an important foundation of knowledge and skills necessary for continuing your education in IT.

## Employment

In 2008, computer network, systems, and database administrators held approximately 961,200 jobs in the U.S., with 14 percent employed in computer systems design and related services.<sup>1</sup> Employment in industries ranges from telecommunications companies to business organizations to government agencies.

In Utah, an entry-level position for a network and computer systems administrator generally starts at an average hourly wage of \$19.87, or \$41,329 per year.<sup>2</sup> With further training and experience, the average salary can increase to approximately \$60,000.

## Working Conditions

Web developers and administrators generally work in comfortable offices that are well-lighted. Work is usually 40 hours per week; however, in 2008 these workers worked an average 50 hours per week.

*Men outnumber women in the IT workforce  
by over three to one.<sup>3</sup>*

## Outlook

With 234 million websites and 1.73 billion Internet users worldwide,<sup>4</sup> there will be a tremendous need for knowledgeable Web professionals who can build, maintain and support websites for businesses and individuals.

In Utah, the annual growth rate in this occupation is expected to be 4.1 percent through the year 2016, with employment totaling 4,170.<sup>2</sup>

## UtahFutures

Log on to UtahFutures.org to learn more about a career in web development and administration. From the home page, click on the "occupations" option to find an occupation that interests you and link to the description for that occupation. (Refer to the sample list of occupations on the back of this page.) Check out employment opportunities, working conditions, and outlook for your selected occupation.

**Is a nontraditional career in your future?**

<sup>1</sup> U.S. Bureau of Labor Statistics

<sup>2</sup> Utah Department of Workforce Services

<sup>3</sup> Zeldman.com, "Women in Web Design: Just the Stats," April 2007, <http://tiny.cc/8w4w1>

<sup>4</sup> <http://royal.pingdom.com/2010/01/22/internet-2009-in-numbers/>