



**Career Research:**

**Web Design**

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MWF 11am class**

Let's look  
inside of  
web  
design!



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# Duties. What do they do?

- ★ **Interacting With Computers** — Using computers and computer systems (including hardware and software) to program, write software, set up functions, enter data, or process information.
- ★ **Getting Information** — Observing, receiving, and otherwise obtaining information from all relevant sources.
- ★ **Thinking Creatively** — Developing, designing, or creating new applications, ideas, relationships, systems, or products, including artistic contributions.

- ★ Meet with clients or management to discuss the needs and design of a website
- ★ Create and test applications for a website
- ★ Write code for the website, using programming languages such as HTML or XML
- ★ Work with other team members to determine what information the site  
—— will contain

# Tasks

- ★ Write supporting code for Web applications or Web sites.
- ★ Design, build, or maintain Web sites, using authoring or scripting languages, content creation tools, management tools, and digital media.

```
<!DOCTYPE html>
<html>
<!--
Created 16-10-2014
-->
<head>
<title>Sample</title>
</head>
<body>
<p>Sample text</p>
</body>
</html>
```

The HTML code above produces the following below



- ★ Back up files from Web sites to local directories for instant recovery in case of problems.
- ★ Write, design, or edit Web page content, or direct others producing content.
- ★ Select programming languages, design tools, or applications

# Work Activities

- ★ **Interacting With Computers** — Using computers and computer systems (including hardware and software) to program, write software, set up functions, enter data, or process information.
- ★ **Getting Information** — Observing, receiving, and otherwise obtaining information from all relevant sources.
- ★ **Thinking Creatively** — Developing, designing, or creating new applications, ideas, relationships, systems, or products, including artistic contributions.

- ★ Design websites or web applications.
- ★ Write computer programming code.
- ★ Update website content.
- ★ Create electronic data backup to prevent loss of information.
- ★ Collaborate with others to resolve information  
—— technology issues.

# Environment & Schedule

## Work Environment

Most web developers are self employed or work in computer systems or other related services

## Work Schedule

Most web developers work full time



# Education (How to Become One)

Educational requirements for web developers vary with the setting they work in and the type of work they do. Requirements range from a high school diploma to a bachelor's degree. An associate's degree in web design or related field is the most common requirement.

Web developers need to have a thorough understanding of HTML programming. Many employers also want developers to understand other programming languages, such as JavaScript or SQL, and have knowledge of multimedia publishing tools, such as Flash. Throughout their career, web developers must keep up to date on new tools and computer languages.

## **Licenses**

Certification in current Web development systems and software may benefit an applicant, especially one without a bachelor's degree. Such certifications are available through continuing education institutions, software companies or professional associations.

## **Certifications**

Microsoft, for example, offers the Microsoft Certified Professional Developer certification, which requires applicants to pass the Microsoft Certified Technology Specialist exam and have 2-3 years of relevant work experience.

## **Registrations**

Its many different places to become an web developer such as colleges along with programs look on their website to find the different registrations to apply



# Transferable Skills

- ★ **Programming** — Writing computer programs for various purposes.
- ★ **Critical Thinking** — Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
- ★ **Complex Problem Solving** — Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.

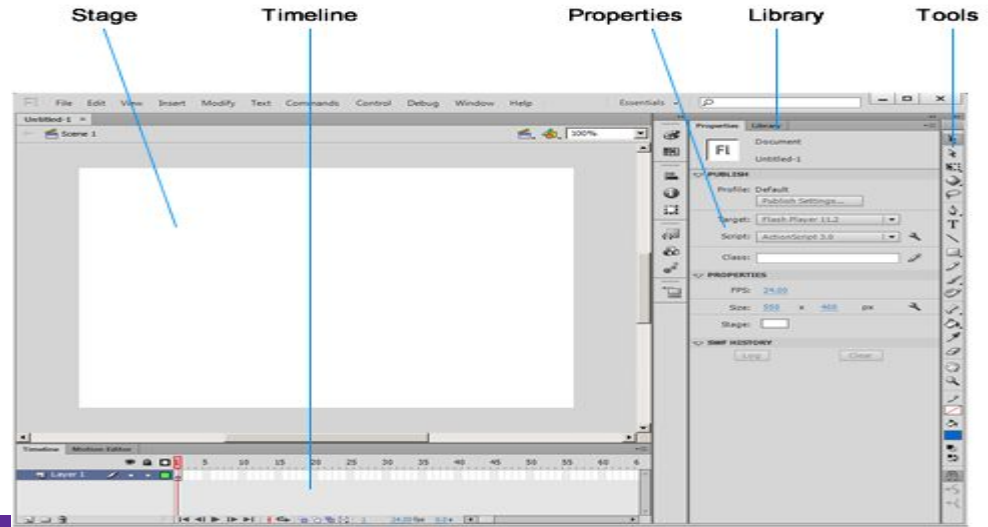
## Abilities

- ★ **Deductive Reasoning** — The ability to apply general rules to specific problems to produce answers that make sense.
  - ★ **Oral Comprehension** — The ability to listen to and understand information and ideas presented through spoken words and sentences.
  - ★ **Near Vision** — The ability to see details at close range (within a few feet of the observer).
-



# continued

## Work styles



- ★ **Independence** — Occupations that satisfy this work value allow employees to work on their own and make decisions. Corresponding needs are Creativity, Responsibility and Autonomy.
- ★ **Working Conditions** — Occupations that satisfy this work value offer job security and good working conditions. Corresponding needs are Activity, Compensation, Independence, Security, Variety and Working Conditions.

# Important Qualities

- ★ ***Concentration.*** Web developers must sit at a computer and write detailed code for long periods.
- ★ ***Creativity.*** Web developers often are involved in designing the appearance of a website and must make sure that it is appealing as well as functional.
- ★ ***Customer-service skills.*** Webmasters have to respond politely and correctly to user questions and requests.
- ★ ***Detail oriented.*** Web developers need to have an eye for detail, because a minor error in coding could cause an entire webpage to stop working.

# Review the Research

**Name three (3) skills you already have:**

- a. creative skills
- b. computer software knowledge
- c. problem solving



**How did I obtain these skills?**

- a. I have always been creative in all my projects such as powerpoints along with creating websites
  - b. I learned my computer knowledge from high school in my web design class
  - c. problem solving is my second nature I love to figure out what's the issue of a problem and solving it
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# Predictions

## What's the wages and employment trends?

- ★ Projected growth/decline
  - Much faster than average (14% or higher)
- ★ Projected state ( I want to stay in arkansas)



State	Employment	Employment	Percent Change	Projected Annual Job Openings
Arkansas	2014-580	2024--730	+26%	20

- ★ Predicted national growth/decline
  - Employment of web developers is projected to grow 13 percent from 2016 to 2026, faster than the average for all occupations.

## **Analyze The Job Outlook**

Employment of web developers is projected to grow as ecommerce continues to expand. Online purchasing is expected to grow faster than the overall retail industry. As retail firms expand their online offerings, demand for web developers will grow. In addition, an increase in the use of mobile devices to search the web will lead to increased demand for web developers. Instead of designing a website for a desktop computer, developers will have to create sites that work on mobile devices with many different screen sizes, leading to more work.

## **Describe Your Chances of Getting Into This Profession**

My chances of getting into this profession I would say it's pretty high because I am certified in 2 major applications dealing with the computer also I know a lot about building websites because i've built several pages.

## Why is This Profession Important...

★ To you

Because this something I love to do it shows how creative I can be with no judgement and it's something I've fell in love with.

★ To society/the world

Because I will be able to show the world my work.



## Work Location

### ★ Your ideal work location

Honestly it would be at home that way I can build my websites flyers etc in my own space.

### ★ Which city and state do you plan to live in?

I'm really not sure yet, I want to stay in Little Rock Arkansas since it is my hometown and all my family lives here. but if something better comes my way in life I don't mind taking that opportunity to move somewhere better fit for my career.

### ★ Why you chose this location

Because all of my family lives in Arkansas and family is everything to me, I want to be close to them and I want them to see my career take off.



# Salary



	<b>Minimum</b>	<b>Medium</b>	<b>Maximum</b>
<b>Salary.com</b>	Ark:\$57,968 Ga:\$61,728	Ark:\$67,714 Ga:\$72,106	Ark:\$77,385 Ga:\$82,405
<b>Careeronestop.org</b>	Ark:\$25,930 Ga:\$41,490	Ark:\$53,820 Ga:\$73,410	Ark:\$94,170 Ga:\$122,160
<b>Average</b>	\$34,770	\$64,970	\$116,620

<b>Cost of Living Comparison</b>	<b>Little Rock, AR</b>	<b>Atlanta, GA</b>
	<b>min. avg.</b>	<b>=equivalent income</b>
<b>Salary</b>	\$67,714	\$72,106
<b>% Increase/Decrease</b>	-4,392	+4,392
<b>Apartment</b>	Rent\$675+	Rent\$1,500+
<b>Gas</b>	\$2.14	\$2.14
<b>Dentist Visit</b>	\$20	\$50
<b>Coffee</b>	\$2.00	\$3.84
<b>Ground Beef</b>	\$5.60	\$6.21
<b>Item #1 Nail Appointments</b>	\$20	\$20
<b>Item #2 Hair Appointments</b>	\$15	\$20

# Next Steps

★ The three most important things I can do in the next six months to achieve my career and educational goals are to....

1. Joining an internship
2. Update my MacBook to all of the current softwares
3. Keep up with all of the different chances in technology



# Conclusion

★ Are you persuaded or dissuaded to pursue the career profession?

Why?

I am persuaded to pursue becoming a web designer because, I feel this is best for me I can work on my own at my own pace with no one down my back always asking me different requests. I can be creative as I want while following the guidelines of what the customer wants and I can work for home with my own computer, which to me is best of both worlds.