

# MAJOR PROJECT

## Part 2

|   |                                  |
|---|----------------------------------|
| <b>Client</b>                               | Myself                           |
| <b>Final Deliverable Product (FDP) Type</b> | Web-based blog/portfolio website |
| <b>Final Deliverable Product Deadline</b>   | October 30th, 2015               |
| <b>Prototype Delivery Date (PDD)</b>        | September 25th, 2015             |
| <b>Prototype Feedback Date (PFD)</b>        | September 28th, 2015             |

## 1.1 Incremental Steps Overview

**Incremental Steps (IS) ADDIE Overview** (September 11th thru October 30th, 2015)

### A ANALYSIS

|  |                      |
|--|----------------------|
| Completion of Element Feasibility Analysis | September 12th, 2015 |
| Completion of Data Gathering               | September 13th, 2015 |

### D DESIGN

|                                    |                      |
|------------------------------------|----------------------|
| Completion of Development Strategy | September 15th, 2015 |
| Completion of Web-Flow Diagram     | September 17th, 2015 |

### D DEVELOPMENT

|                                   |                                |
|-----------------------------------|--------------------------------|
| Prototype Development w/ HTML/CSS | September 17th thru 28th, 2015 |
|-----------------------------------|--------------------------------|

### I IMPLEMENTATION

|     |                      |
|-----|----------------------|
| PDD | September 28th, 2015 |
|-----|----------------------|

### E EVALUATION

|  |                                     |
|--|-------------------------------------|
| PFD  | September 30th, 2015                |
| Feature Design Based on PFD                | September 30th, 2015                |
| Feature Add-ins                            | September 28th - October 19th, 2015 |
| Feature Add-in 1: Vectored Logo            | September 28th, 2015                |
| Feature Add-in 2: Improved Profile Picture | October 5th, 2015                   |
| Feature Add-in 3: Instruction Video        | October 19th, 2015                  |
| Feature Add-in 4: Back-End Optimization    | October 30th, 2015                  |
| FDP  | November 1st, 2015                  |

## 1.2 Target Audience

Employers, Interviewers, Entry-level developers, IT-related college students.

## 1.3 Project Objective

To develop a web-based IT portfolio and blog in order to help the client attain better leverage in the job market, provide proven career experience and expertise in the field, and track updates on the client's current progress in the IT field to demonstrate initiative, drive, and consistency. As a result, the web-

blog/portfolio will consist of a resume, skill set explanation, interactive portfolio with developing work, job summary, learning course/tutorial updates, and personal touches like a headshot, logo, and introduction video.

## 2.1 Incremental Steps Explained

### **A Analysis Phase**

#### **2.1.1. Completion of the Element Feasibility**

(9/11/15)

##### **Analysis**

Operational feasibility will explore features that will make the end-user interaction with the website the most facilitated. Technical feasibility will compare the functional design against other web-blogs/portfolios accessible and discuss particular features that aid the client the most. Schedule feasibility will explain the ADDIE model used for the project in detail, and its phases in relation to the timeframe.

#### **2.1.2. Completion of Data Gathering**

(9/13/15)

The data gathering stage will span the major functions of the website. Assuming that the client (even as it is myself) likely does not know everything that is best for them, a collaborative effort will need to be done with higher-level experts on what the web-blog/portfolio will have to contain. The features that are most in sync with the collaborative team and the end-user will be added in the prototype and anything else will be listed as secondary features will exist in the final rollout. The requirements will be assessed against the client's originally describe input/output/processing/performance needs.

### **D Design Phase**

#### **2.1.3. Completion of Development Strategy**

(9/15/15)

The development strategy will address and explain which programs, tools, programming languages, frameworks, and methodologies are most suitable to be used during the development process.

#### **2.1.4. Completion of the Web-Flow Diagram**

(9/17/15)

Through use of a diagram software, basic web-page elements and symbols will be organized to illustrate the design and layout of the webpage.

### **D Development Phase**

#### **2.1.5. Prototype Development w/ HTML/CSS**

(9/17-28/15)

The prototype, which is a functional webpage with working links and full use of the main features, will be deployed to the designated server and will consist of the primary features agreed upon between the client and collaborative efforts.

### **I Implementation Phase**

#### **2.1.6. Prototype Development Deployment**

(9/28/15)

Deployment of a functional webpage that meets the needs of the primary goals.

### **E Evaluation Phase**

#### **2.1.7. Prototype Feedback**

(9/30/15)

The prototype will be reviewed by the client and tested against several website testing norms, standards, and best practice approaches.

#### **2.1.8. Feature Design Based on Prototype Deployment Development (9/30/15)**

The needs/wants will be revisited and the prototype feedback will be analyzed. Changes to the main features will be logged, tested, and debugged. Additional features will be planned out, designed, added singularly, tested, and debugged (on a smaller scale to that of the same ADDIE method).

#### **2.1.9. Feature Add-Ins (9/28/15 - 10/19/2015)**

A vectored logo, improved profile picture, and introduction video will be added to the development process consecutively.

##### **2.1.9a. Feature Add-in 1: Vectored Logo (9/28/15)**

The client's name and/or blog will be given vectored logos.

##### **2.1.9b. Feature Add-in 2: Enhanced Profile Picture (10/5/15)**

The client's selected profile picture will be digitally edited and subtly enhanced.

##### **2.1.9c. Feature Add-in 3: Introduction Video (10/19/15)**

The client will film an introduction video and the video will be embedded into the website.

##### **2.1.9d. Feature Add-in 4: Back-End Optimization (10/30/15)**

The client will be able to update the website with minimal processes and time with templating.

#### **10. Final Deliverable Product (11/1/15)**

The final product will be ready and the website will be re-deployed in its finished state.

## 2.2 Project Timeline

| Project Timeline      |            |                |            |
|-----------------------|------------|----------------|------------|
| Step                  | Due Date   | Date Completed | Difference |
| Feasibility Analysis  | 9/12/2015  | 9/12/2015      | 0          |
| Data Gathering        | 9/13/2015  | 9/13/2015      | 0          |
| Development Strategy  | 9/15/2015  | 9/16/2015      | 1          |
| Web-Flow Diagram      | 9/17/2015  | 9/22/2015      | 5          |
| Prototype Deployment  | 9/28/2015  | 12/9/2015      | 72         |
| Vectored Logo         | 9/28/2015  | 12/10/2015     | 73         |
| Profile Picture       | 10/5/2015  | 12/11/2015     | 67         |
| Instruction Video     | 10/19/2015 | 12/12/2015     | 54         |
| Back-End Optimization | 10/30/2015 | 12/11/2015     | 42         |
| Final Deliverable     | 11/1/2015  | 12/12/2015     | 41         |

## 3.1 Feasibility Analysis

OMIEWALLS.COM - WEB-BLOG/PORTFOLIO

### 3.1.1 INTRODUCTION

Operational feasibility will explore features that will make the end-user interaction with the website the most facilitated. Technical feasibility will compare the functional design against other web-blogs/portfolios accessible and discuss particular features that aid the client the most. Schedule feasibility has already been explained with the ADDIE model used for the project in detail, and its phases in relation to the timeframe.

### 3.1.2 OPERATIONAL FEASIBILITY

What OmieWalls.com needs in terms of ease of use is an easy to update blog infrastructure that automatically formats itself with minimal work done by the author. A database that holds .txt files might prove most efficient. Back-end operations should be managed from one page.

### 3.1.3 TECHNICAL FEASIBILITY

When assessing the technical aspect of the blog/portfolio, only a light framework is necessary for deployment. Slim framework with Twig for the viewer in order to handle templates for the blog should be easy to read and work with.

## 3.2 Data Gathering

Client wants modern, minimalistic design with city flare. Client also wants blog posting to be relatively simplistic and not require much formatting on her end. The portfolio needs to be somewhat interactive and include a resume. The client also wishes for a place to include a timeline of the tutorials she has taken. It should also be easily updatable as she expects to expand her knowledge-base in the future.

The client doesn't want loud/dark colors or a non-responsive design. There should also be a set of links on the side where visitors can click through months of previous posts.

## 3.3 User Stories

3.3.1 *As a blogger of the website,*

I would like posts to be arranged newest to oldest, so that I can show that I've recently updated my content.

I would also like to categorize my previous posts by chronological order in a month-year format on a sidebar.

I would also like to have navigation buttons, a search bar, and a tag cloud for easier searching.

3.3.2 *As a student,*

I would like to showcase the relevant courses I took in college.

I would also like to highlight all of my tutorials and extra training that I've done to fill-in for my lack of job experience in the field.

3.3.3 *As a job-seeker,*

I would like to present a clean resume with download links.

## 3.4 Acceptance Criteria

### 3.4.1 BLOG

- Blog posts will be arranged from newest to oldest
- Each post will be expandable
- Blog will have a sidebar that contains a list of previous posts organized by month and year
- Blog posts will be easily updated and displayed in template form

### 3.4.2 PORTFOLIO

- Portfolio will contain work divided into categories (i.e.: Java, PHP, SQL)
- Portfolio will show courses taken in chronological order

### 3.4.3 RESUME

- Resume will be posted as a template
- Resume will also include a download link
- Resume will be structured in Harvard format

## 3.5 Definition of Done

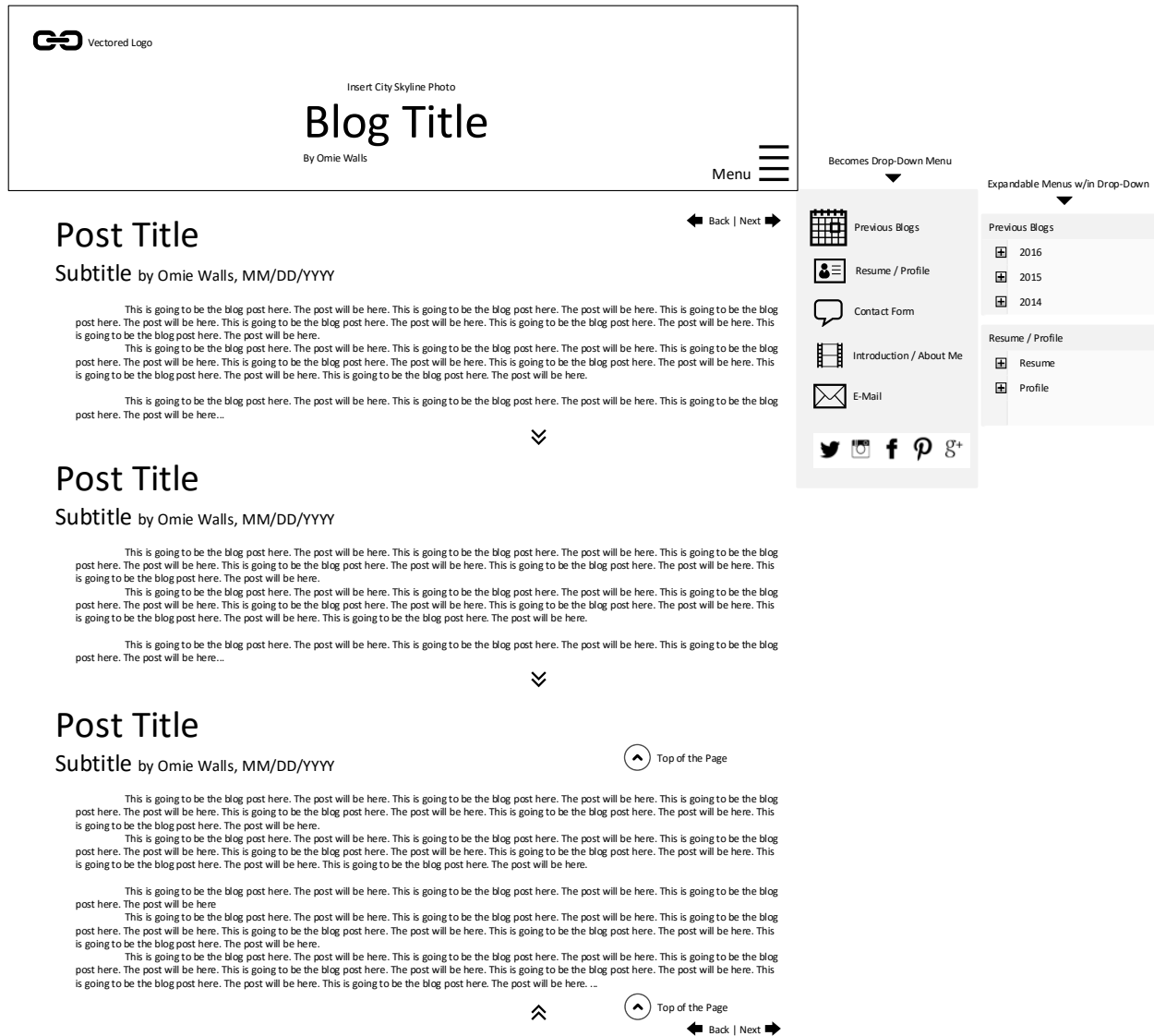
- Blog
  - Templated design
  - Passes peer review tests
  - Passes lead review tests
  - Passes Responsive Design Tests
- Portfolio/Resume
  - Interactive design works seamlessly
  - Matches or exceeds quality of other web portfolios
  - Passes Responsive Design tests



### 3.1.1b Home Page (Tablet Version)

[illegible]

### 3.1.3c Home Page (Mobile Version)





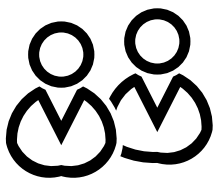
### 3.1.2 About Page



◀ Back | Next ▶

#### Previous Blogs

- + 2014
- + 2016
- + 2015



## About Me

About me details go here. Information goes here. Information for the About Me section goes here. About me details go here. Information goes here. Information for the About Me section goes here. About me details go here. Information goes here. Information for the About Me section goes here. About me details go here. Information goes here. Information for the About Me section goes here. About me details go here. Information goes here. Information for the About Me section goes here. About me details go here. Information goes here. Information for the About Me section goes here.

About me details go here. Information goes here. Information for the About Me section goes here. About me details go here. Information goes here. Information for the About Me section goes here. About me details go here. Information goes here. Information for the About Me section goes here. About me details go here. Information goes here. Information for the About Me section goes here. About me details go here. Information goes here. Information for the About Me section goes here.

| September 15 |    |    |    |    |    |    |
|--------------|----|----|----|----|----|----|
| M            | T  | W  | T  | F  | S  | S  |
|              | 1  | 2  | 3  | 4  | 5  | 6  |
| 7            | 8  | 9  | 10 | 11 | 12 | 13 |
| 14           | 15 | 16 | 17 | 18 | 19 | 20 |
| 21           | 22 | 23 | 24 | 25 | 26 | 27 |
| 28           | 29 | 30 |    |    |    |    |

#### Current Events

Club Meet-Ups go here. ^

Recent projects go here.

Recent training goes here. v



Resume / Profile



Contact Form



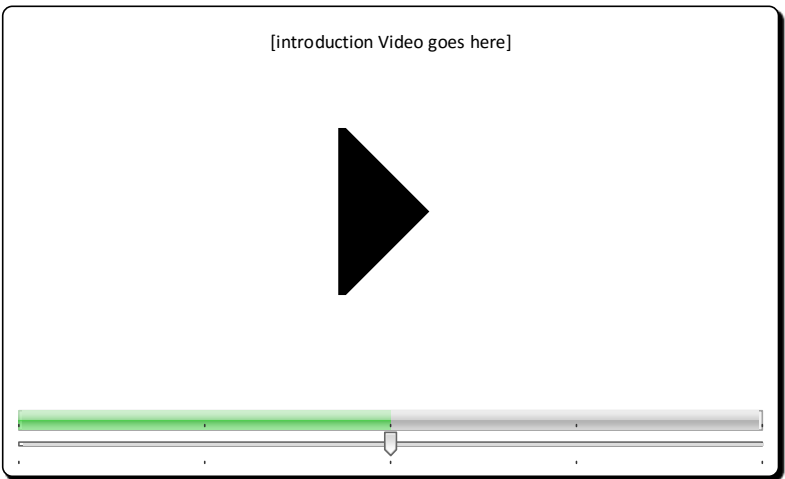
Introduction / About Me



E-Mail



## Introduction Video



## 3.1.3 Resume Page

 Vectored Logo

[Insert City Skyline Photo]

# Resume

OmieWalls.com

Portfolio ➡

## Previous Blogs

 2014

 2016

 2015

## Omie R. Walls

1234 Park St. Apt P4, Springfield, IL 603123

email: orwalls@uwm.edu

## Objective

The objective of the resume goes here. Here is the location for the resume objective.  
This is where the resume objective goes.

## Education

**The Name of the University***The Degree and Area*

- Relative notes go here
- Accomplishments and duties go here

**The Name of the University***The Degree and Area*

- Relative notes go here
- Accomplishments and duties go here

## Employment History

**The Name of the Employer***The Job Position and City*

- Relative notes go here
- Accomplishments and duties go here

**The Name of the Employer***The Job Position and City*

- Relative notes go here
- Accomplishments and duties go here

**The Name of the Employer***The Job Position and City*

- Relative notes go here
- Accomplishments and duties go here

## Certifications

**Certification Name***Certification Location and City*

- Relative notes go here

| September 15 |    |    |    |    |    |    |
|--------------|----|----|----|----|----|----|
| M            | T  | W  | T  | F  | S  | S  |
|              | 1  | 2  | 3  | 4  | 5  | 6  |
| 7            | 8  | 9  | 10 | 11 | 12 | 13 |
| 14           | 15 | 16 | 17 | 18 | 19 | 20 |
| 21           | 22 | 23 | 24 | 25 | 26 | 27 |
| 28           | 29 | 30 |    |    |    |    |

YYYY



YYYY

YYYY

YYYY

YYYY

YYYY

| Current Events             |   |
|----------------------------|---|
| Club Meet-Ups go here.     |  |
| Recent projects go here.   |   |
| Recent training goes here. |  |



Home



Contact Form



Introduction / About Me



E-Mail



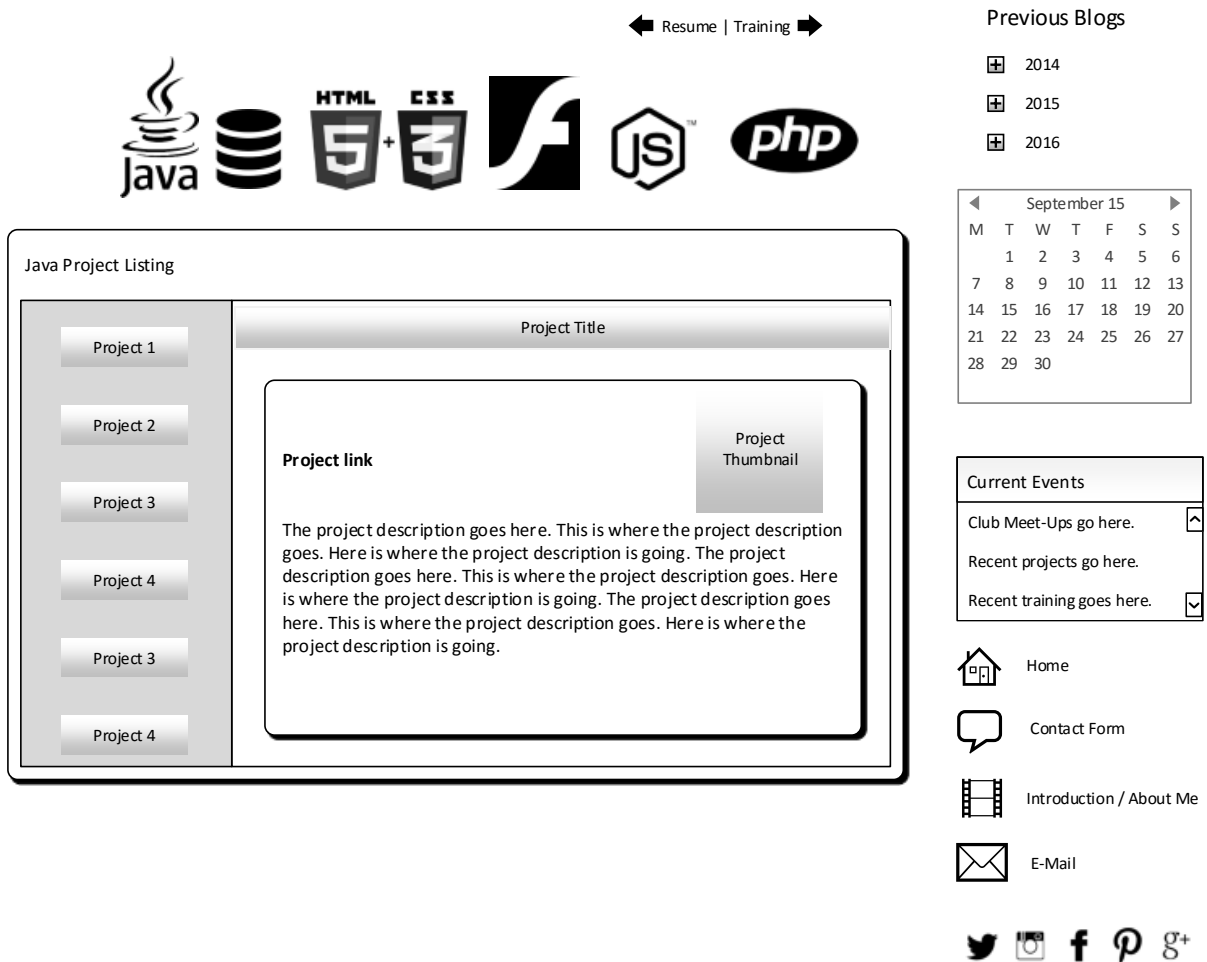
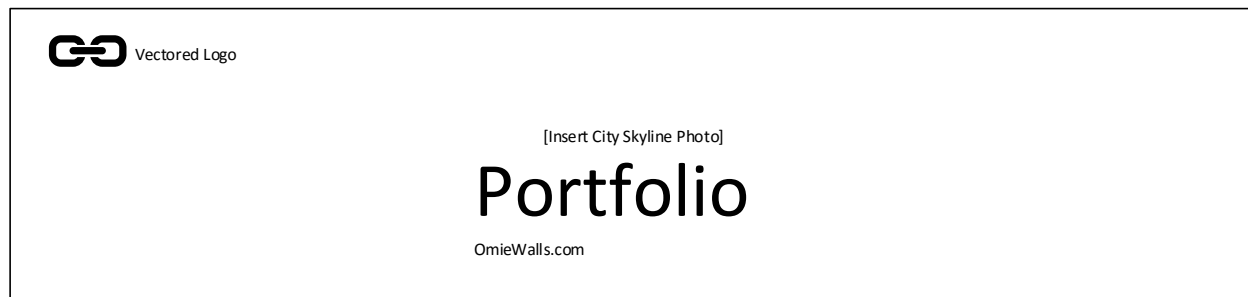
Download a copy of my resume here



Top of the Page

Portfolio ➡

### 3.1.4 Portfolio Page



## 3.1.5 Training Page

 Vektored Logo

[Insert City Skyline Photo]

# Training

OmieWalls.com

[← Resume | Training →](#)

## Previous Blogs

-  2014
-  2015
-  2016




## Information Science Course Listing

|           | Course Title |
|-----------|--------------|
| Course 1  |              |
| Course 2  |              |
| Course 3  |              |
| Course 4  |              |
| Course 5  |              |
| Course 6  |              |
| Course 7  |              |
| Course 8  |              |
| Course 9  |              |
| Course 10 |              |
| Course 11 |              |

**Course Link**


The course description goes here. This is where the course description goes. Here is where the course description is going. The course description goes here. This is where the course description goes. Here is where the course description is going. The course description goes here. This is where the course description goes. Here is where the course description is going.

 Download content (paper, project, etc.)


**Course Thumbnail**

| September 15 |    |    |    |    |    |    |
|--------------|----|----|----|----|----|----|
| M            | T  | W  | T  | F  | S  | S  |
|              | 1  | 2  | 3  | 4  | 5  | 6  |
| 7            | 8  | 9  | 10 | 11 | 12 | 13 |
| 14           | 15 | 16 | 17 | 18 | 19 | 20 |
| 21           | 22 | 23 | 24 | 25 | 26 | 27 |
| 28           | 29 | 30 |    |    |    |    |

## Current Events

Club Meet-Ups go here. 

Recent projects go here.

Recent training goes here. 

Home



Contact Form



Introduction / About Me



E-Mail



Top of the Page

[← Resume | Training →](#)

## 4.1 Project Evaluation

### 4.1.1 PRODUCTION SUMMARY

In the production of the website, several factors caused a significant delay in the process. First, due to illness, the PHP/MySQL backside of the website was the first to be cut from production. Second, the intended design approach had to be changed in order to maintain the deadline and deliver a solid product to the client. Lastly, the method of the production was changed and done much differently.

### 4.1.2 SCHEDULE REVIEW

As you can see, from the schedule in section 2.2, it has been updated and intended due dates differ vastly to the point of being over two months behind schedule. Most of the project was completed within three days, however the requirements were still met on the client's behalf.

## 4.2 PROJECT REVISIONS

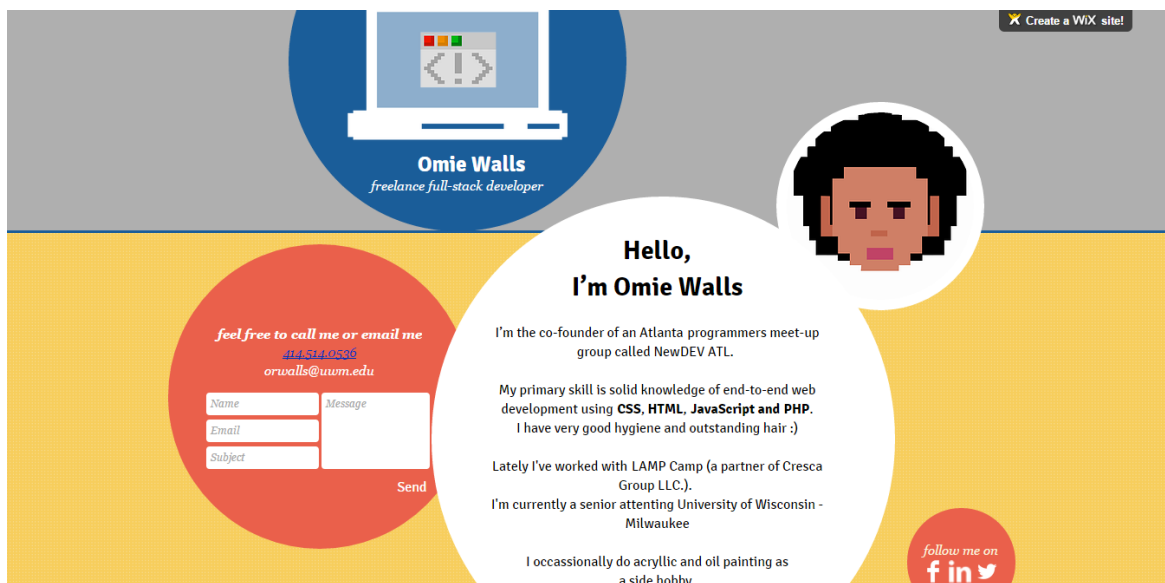
In the shortened time, the overall design and flow of the project had to be changed. Instead of doing the developer work myself, I opted to use Wix website developer which runs on an intricate and in-depth UI in order to help the user design a variety of websites and meet a wide range of needs. I was able to forge a pixelated logo, vector it, and add it back into the project. The video, since the client was not available for an actual video, a creative approach was taken upon execution in order to pull off the main project schema. A PowerPoint presentation was instead made, given typewriter effects, and embedded on the page. Camtasia's 30-day subscription ran out and caused me to deliver the video by other cost-effective means. After some research, I found out I was able to create the video by saving the presentation as an MP4 format and starting the audio in the background of the presentation automatically. Through that, I ended up with a video, slightly longer than intended as I somewhat had no control over the slide timing. I ended up running the video through YouTube to be rendered on the web and uploaded. Installing the video to the site was as simple as referencing the API to a link. The profile picture was the easiest to enhance. Given recent updates on Instagram, I was able to control the sharpness, brightness, contrast, highlights, shadows, saturation, and focus of the photo amongst other effects and filters. I used a combination of these features to provide the photo in the about page.

### 4.2.1 DESIGN SUMMARY

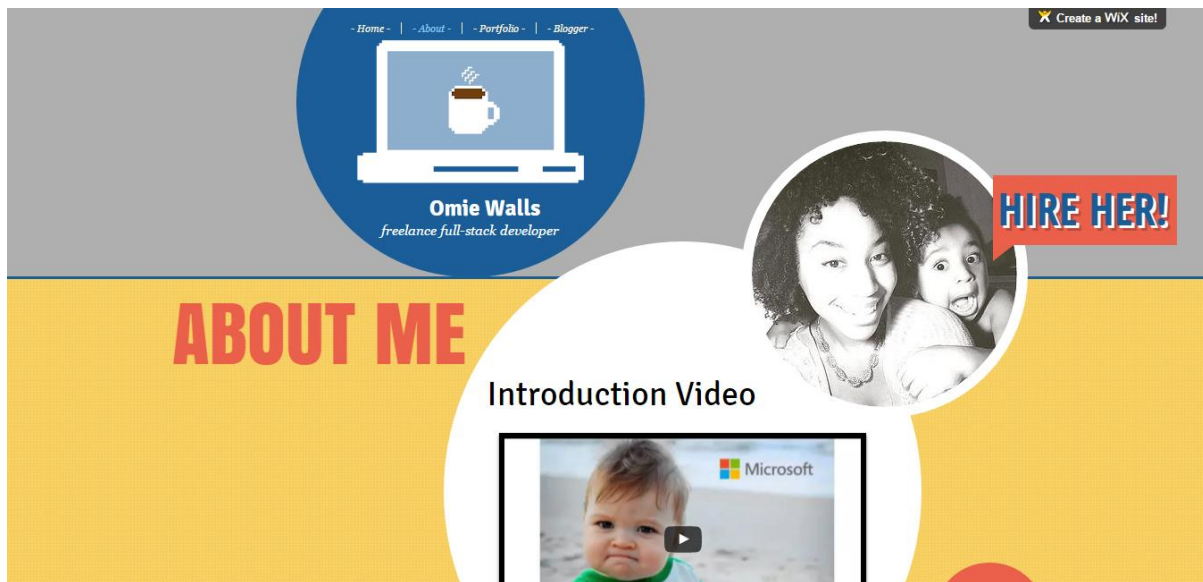
The template has a fun, primary feel that maintains the simple, necessary elements that were required from the client in the beginning. The intended design served a purpose of functionality only. When adhering to rigid deadlines, any time left over would have been for aesthetics. A solid functionality of the website was first priority. Fortunately with Wix, I was able to deliver a high amount of functionality and design in an effective layout that represents the client-base and nature of business well. The most functional and improved feature is optimization of the back-end. I initially had no vision of execution on this and was going to do through research to see it to conclusion. Through the API usage of Blogger on Wix (see figure 4.2.2g), the client's blogging will automatically host to the website without having to make adjustments to the Wix page. The client does feel as if certain color schemes can be changed to her personal liking and will take on that effort to fine-tune the website on her own in the future. Overall she is happy to add this to the website.

### 4.2.2 FINAL DELIVERABLE PRODUCT

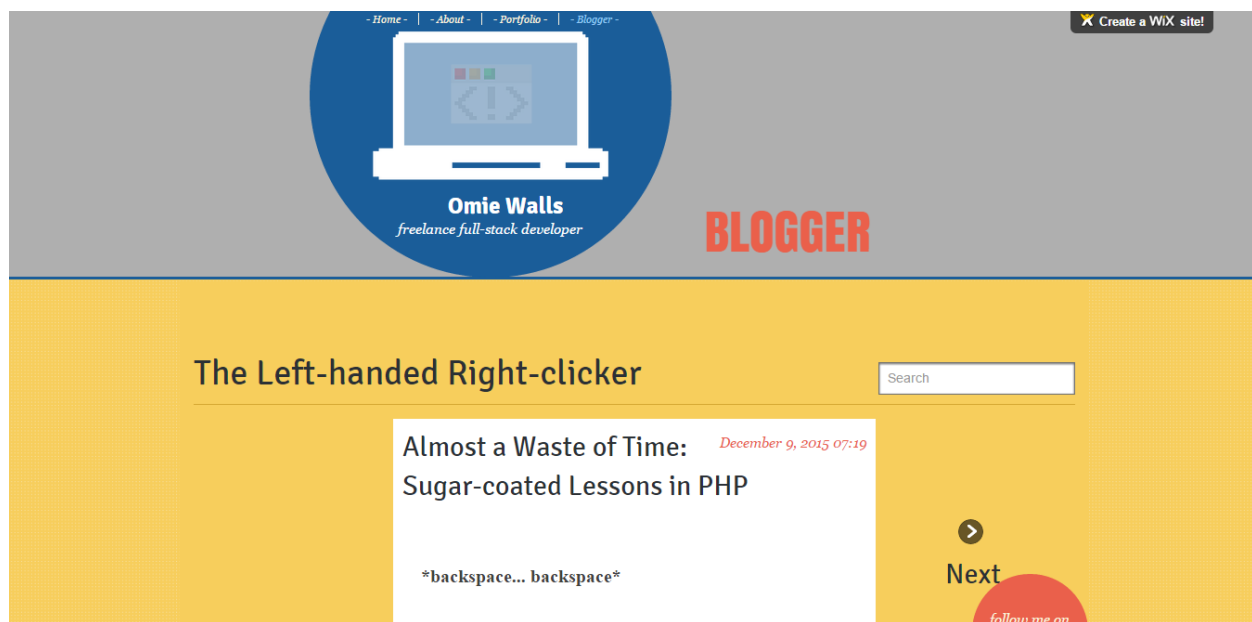
#### 4.2.2a Home Page



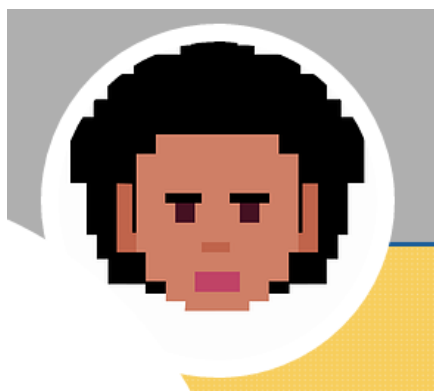
#### 4.2.2.b About Page



#### 4.2.2c Blog Page



#### 4.2.2d Vectorized Logo (using Vector Magic)



#### 4.2.2e Profile Picture





#### 4.2.2f Embed Video



#### 4.2.2g Back-end Optimization

