**CS 242 Final Project Proposal**

**My Personal Website**
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## 1. Abstract

### 1.1. Project Purpose

Assignment 3 was personally difficult because I have never done web programming before. The purpose of this final project would be to gain more experience with more web programming frameworks. I want to create a personal website to publish and make available for potential friends, family, or future employers.

### 1.2. Background/Motivation

This is a practical project that I have always wanted to do because it is something that I can use. Additionally, I am interested in challenging myself to gain more experience with web development. Assignment 3 was my first experience with web design. I used python with Flask but I plan to use a different framework for my personal site and expand upon what I've learned.

## 2. Technical Specifications

2.1. **Platform:** Website

2.2. **Programming Languages:** HTML, CSS, Ruby/Rails, JavaScript, Bootstrap

2.3. **Stylistic Conventions:** Function commenting, OOP, camelCase labeling

2.4. **SDK: jQuery – required by Bootstrap**

2.5. **IDE:** Sublime

2.6. **Tools/Interfaces:** Google Chrome, **Heroku**

2.7. **Target Audience:** Me, friends, family, future employers

## 3. Functional Specifications

**Features**

- Hosted on a unique domain
- Easy resume upload option (for me, as my resume changes frequently)
- Easy resume download for users
- "Contact" option where the user can email me from the webpage
- Social media plugins – LinkedIn, Facebook, Twitter, Instragram
- Project / work experience pages
- Photo blog page? (with easy upload / maintainability for me)

**Scope of project**
I'm new to web programming, so I may be limited by experience, but I will definitely learn a lot with this project. The scope is somewhat limited to me. It is mainly for my use and my benefit. It may be of potential use to people interested in my future work or friends and family.

## 4. Timeline:

### 4.1. Week 1

- Experiment with several different web frameworks. Determine if I want to use the initially proposed web framework – Ruby on Rails
- Re-setup github account and create new Final Project Repository
  - https://github.com/tedmarszalek/FinalProject
- Setup the web framework on the hosting domain – used cloud platform, Heroku
  - Heroku – cloud platform as a service
  - http://tedmanmarszalek.herokuapp.com/
- Get domain name – tedman.info or www.tedman.info
  - Namecheap – domain name registration, edit settings to redirect heroku app
- Setup a corresponding database
  - Ruby gems
    - 'sqlite3' for development/test
    - 'PostgreSQL' for production on Heroku
- Setup basic Bootstrap with HTML/CSS – Template cited and setup, basic functionality
- Testing – Manual Test Document and local run directions
- **Github README**

### 4.2. Week 2

- Develop alternative pages **– Ruby Rails routes**
  - , basic resume info, contact information
    - **Added first implementation of easy resume download with a pdf object embedding**
  - Goal is to make it look nice
    - **Widget research**
- Expand upon "interactive-ness" of site with Bootstrap
- Create "Contact", **"Music", and "Projects"** options.
- **Maintained citations page**
- **Look into various social media plugins. Find cool things from my social media sites to attach to my webpage (something beyond just links)**
  - **Souncloud and Instagram embedding**

### 4.3. Week 3

- **Work / School experience**
- **Real time social media updates**
- Create the easy resume upload ~~and download.~~
- Page allows user to email me from within the website.

### 4.4. Week 4

- **Optimization?**
- Add photo upload for photo blogging or web site personalization. Store in database.
- By this week I will probably have unfinished work
  - Clean up any issues I have with web interaction (any Bootstrap issues)
  - Clean up functionality issues (social media plugins, resume upload/download)
  - Make sure the website looks nice

- Make the website mobile friendly

5. **Future Enhancements**

The goal of this project is to have a working personal website that I can continue to develop throughout my future career. I plan to continue to maintain/update the website with new functionality and information after the class and throughout my future.