Name: Andrew Parsons
TMU ID: 500992021
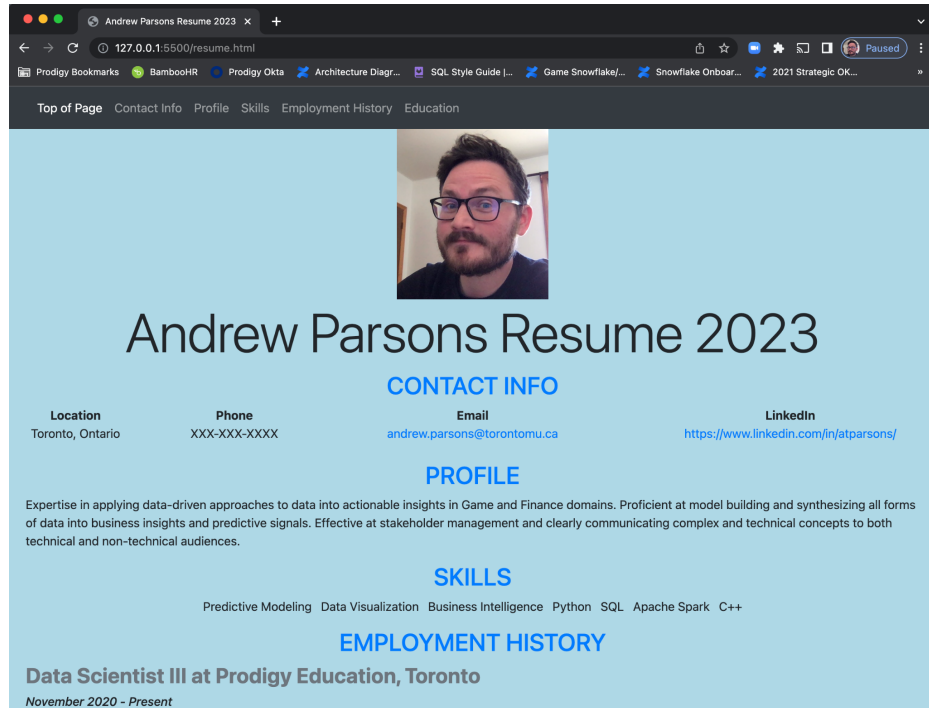Due Date: Feb 18, 2023
Github Repo Link: https://github.com/Parsonswlu/parsonswlu.github.io/tree/main/CCPS530_Lab3
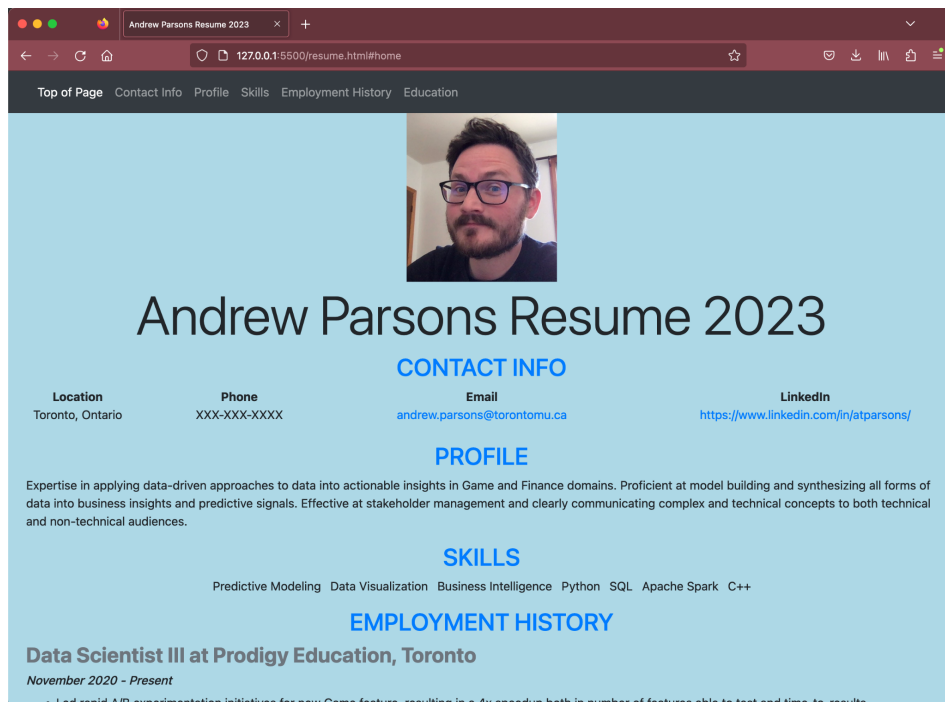
CCPS 530 - Web Systems Development - Lab 3

HTML Displayed on Browsers
- Google Chrome:

- Firefox:

HTML Checker

- Validator Results from https://validator.w3.org/

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for resume.html

Checker Input

Show ☑ source ☐ outline ☐ image report | Options...

Check by [file upload ∨] [Browse...] No file selected.

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

[Check]

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

[Message Filtering]

Document checking completed. No errors or warnings to show.

Source

```
 1. <!DOCTYPE html>↵
 2. <html lang="en">↵
 3. <head>↵
 4.     <meta charset="UTF-8">↵
 5.     <meta http-equiv="X-UA-Compatible" content="IE=edge">↵
 6.     <meta name="viewport" content="width=device-width, initial-scale=1.0">↵
 7.     <title>Andrew Parsons Resume 2023</title>↵
 8. ↵
 9.     <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.1.3/dist/css/bootstrap.min.css" integrity="sha384-
    MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO" crossorigin="anonymous">↵
10.     <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css"
    integrity="sha384-wvfXpqpZZVQGK6TAh5PVlGOfQNHSoD2xbE+QkPxCAFlNEevoEH3Sl0sibVcOQVnN" crossorigin="anonymous">↵
11.     <link rel="stylesheet" href="style.css">↵
12. </head>↵
13. <body style="background: lightblue">↵
14. ↵
15.     <nav class="navbar navbar-expand-lg navbar-dark bg-dark sticky-top">↵
16.         <div class="container-fluid">↵
17.             <div class="collapse navbar-collapse" id="navbarCollapse">↵
18.                 <div class="navbar-nav">↵
19.                     <ul class="navbar-nav">↵
20.                         <li class="active navbar-li">↵
21.                             <a href="#home" class="nav-item nav-link">Top of Page</a>↵
```

CSS Checker

- Validator Results from https://jigsaw.w3.org/css-validator/

W3C® The W3C CSS Validation Service
W3C CSS Validator results for style.css (CSS level 3 + SVG)

Jump to: **Validated CSS**

W3C CSS Validator results for style.css (CSS level 3 + SVG)

Congratulations! No Error Found.

This document validates as CSS level 3 + SVG !

To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any page that validates. Here is the XHTML you could use to add this icon to your Web page:

```
<p>
    <a href="http://jigsaw.w3.org/css-validator/check/referer">
        <img style="border:0;width:88px;height:31px"
            src="http://jigsaw.w3.org/css-validator/images/vcss"
            alt="Valid CSS!" />
    </a>
</p>
```

```
<p>
<a href="http://jigsaw.w3.org/css-validator/check/referer">
    <img style="border:0;width:88px;height:31px"
        src="http://jigsaw.w3.org/css-validator/images/vcss-blue"
        alt="Valid CSS!" />
    </a>
</p>
```

Technical Report

1. The actual HTML code (the code presented on a page).

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Andrew Parsons Resume 2023</title>

    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.1.3/dist/css/bootstrap.min.css"
integrity="sha384-MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO"
crossorigin="anonymous">
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css"
integrity="sha384-wvfXpqpZZVQGK6TAh5PVlGOfQNHSoD2xbE+QkPxCAFlNEevoEH3Sl0sibVcOQVnN"
crossorigin="anonymous">
    <link rel="stylesheet" href="style.css">
</head>
<body style="background: lightblue">

    <nav class="navbar navbar-expand-lg navbar-dark bg-dark sticky-top">
        <div class="container-fluid">
            <div class="collapse navbar-collapse" id="navbarCollapse">
                <div class="navbar-nav">
                    <ul class="navbar-nav">
                        <li class="active navbar-li">
                            <a href="#home" class="nav-item nav-link">Top of Page</a>
                        </li>
                        <li class="navbar-li">
                            <a href="#contact-info" class="nav-item nav-link">Contact Info</a>
                        </li>
                        <li class="navbar-li">
                            <a href="#profile" class="nav-item nav-link">Profile</a>
                        </li>
                        <li class="navbar-li">
                            <a href="#skills" class="nav-item nav-link">Skills</a>
                        </li>
                        <li class="navbar-li">
                            <a href="#employment-history" class="nav-item nav-link">Employment
History</a>
                        </li>
```

```html
                    <li class="navbar-li">
                        <a href="#education" class="nav-item nav-link"
tabindex="-1">Education</a>
                    </li>
                </ul>
            </div>
        </div>
    </div>
</nav>


<div class="text-center" id="home">
    <img src="img/andrewparsons_wfh.jpg" alt="Image of Andrew Parsons" width="200">
    <h1 class="display-3">Andrew Parsons Resume 2023</h1>
</div>


<div class="container; text-center">
    <h2 class="text-uppercase text-center text-primary" id="contact-info">Contact Info</h2>
    <div class="row">
        <div class="col-md-2 col-lg-2"><b>Location</b></div>
        <div class="col-md-2 col-lg-2"><b>Phone</b></div>
        <div class="col-md-4 col-lg-4"><b>Email</b></div>
        <div class="col-md-4 col-lg-4"><b>LinkedIn</b></div>
    </div>
    <div class="row">
        <div class="col-md-2 col-lg-2">Toronto, Ontario</div>
        <div class="col-md-2 col-lg-2">XXX-XXX-XXXX</div>
        <div class="col-md-4 col-lg-4"><a href="mailto:andrew.parsons@torontomu.ca"
target="_blank">andrew.parsons@torontomu.ca</a></div>
        <div class="col-md-4 col-lg-4"><a href="https://www.linkedin.com/in/atparsons/"
target="_blank">https://www.linkedin.com/in/atparsons/</a></div>
    </div>
</div>


<div class="m-4">
    <h2 class="text-uppercase text-center text-primary" id="profile">Profile</h2>
    <p>Expertise in applying data-driven approaches to data into actionable insights in Game
        and Finance domains. Proficient at model building and synthesizing all forms of data
        into business insights and predictive signals. Effective at stakeholder management
        and clearly communicating complex and technical concepts to both technical and
        non-technical audiences.
    </p>

    <div>
        <h2 class="text-uppercase text-center text-primary" id="skills">Skills</h2>
        <ul class="list-inline text-center">
            <li class="list-inline-item">Predictive Modeling</li>
```

```html
            <li class="list-inline-item">Data Visualization</li>
            <li class="list-inline-item">Business Intelligence</li>
            <li class="list-inline-item">Python</li>
            <li class="list-inline-item">SQL</li>
            <li class="list-inline-item">Apache Spark</li>
            <li class="list-inline-item">C++</li>
        </ul>
    </div>

    <h2 class="text-uppercase text-center text-primary" id="employment-history">Employment
History</h2>

    <h3 class="text-secondary"><b>Data Scientist III at Prodigy Education, Toronto</b></h3>
    <h6><i>November 2020 - Present</i></h6>
    <ul>
        <li>
            Led rapid A/B experimentation initiatives for new Game feature, resulting in a 4x
            speedup both in number of features able to test and time-to-results
        </li>
        <li>
            Established models to quantify and visualize feature impact in regards to
conversion, churn propensity,
            used for allocating resources to highest ROI business opportunities and annual
forecasting
        </li>
    </ul>

    <h3 class="text-secondary"><b>Data Scientist at Quandl (NASDAQ), Toronto</b></h3>
    <h6><i>July 2017 — October 2020</i></h6>
    <ul>
        <li>
            Two-part role: acting both as product manager for data products, as well as
quantitative
            researcher extracting tradable signals from "alternative" datasets for financial
market end users
        </li>
        <li>
            Responsible for designing, building, and back-testing data products built on exhaust
data of partner firms,
            as well as educating and onboarding clients to integrate products into their
investment process
        </li>
    </ul>

    <h3 class="text-secondary"><b>Associate at DGAM (The Carlyle Group), Toronto</b></h3>
    <h6><i>2009 — 2015</i></h6>
```

```html
        <ul>
            <li>
                Built internal risk analytics and responsible for risk oversight for Carlyle's
direct hedge fund products
            </li>
            <li>
                Pioneered the Advisory business line, guided selection and investment due diligence
of hedge fund managers,
                crafted portfolio construction and risk monitoring processes
            </li>
            <li>
                Crafted bespoke performance, risk and market analysis reports for clients of fund of
hedge fund portfolios
            </li>
        </ul>


        <h2 class="text-uppercase text-center text-primary" id="education">Education</h2>

        <h4>Computer Science (Part-Time), Ryerson University, Toronto</h4>
        <h6><i>2019 — Present</i></h6>

        <h4>Master of Finance, University of Toronto (Rotman), Toronto</h4>
        <h6><i>2014 — 2016</i></h6>

        <h4>Mathematics, University of Waterloo, Waterloo</h4>
        <h6><i>2003 — 2008</i></h6>

        <h4>Business Administration, Wilfrid Laurier University, Waterloo</h4>
        <h6><i>2003 — 2008</i></h6>

    </div>


    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
crossorigin="anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/popper.js@1.14.3/dist/umd/popper.min.js"
integrity="sha384-ZMP7rVo3mIykV+2+9J3UJ46jBk0WLaUAdn689aCwoqbBJiSnjAK/l8WvCWPIPm49"
crossorigin="anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.1.3/dist/js/bootstrap.min.js"
integrity="sha384-ChfqqxuZUCnJSK3+MXmPNIyE6ZbWh2IMqE241rYiqJxyMiZ6OW/JmZQ5stwEULTy"
crossorigin="anonymous"></script>


    <script>
        $(document).ready(function(){
            $('.navbar-nav .navbar-li').click(function(){
```

```
            $('.navbar-li').removeClass('active');
            $(this).addClass('active');
        })
    });
</script>



</body>
</html>
```

2. How does using Bootstrap styles compare to creating your own styles using CSS?

- Using bootstrap styles removes a layer of overhead from using custom CSS styling, so in that way it is a time-saver.
- It also automatically has built-in responsive resizing capabilities, allowing the site to function for a variety of devices without additional overhead.
- I did however find some of the bespoke customization to be lacking, so an additional layer of my own CSS styles was still required for fine-tuning.

3. Which web browsers did you use to view your page and are there rendering differences between browsers? You may add screenshots to your report.

- I tested the page with both Google Chrome and Firefox browsers
- I could not find any rendering differences between the browsers
- Screenshots are provided on page 1 of this report

4. How long did you spend on this lab? The length of time includes readings and research and code experimentation. State time involved in readings and research as well as code experimentation sessions.

- I spent approximately 3.5 hours working on this lab.
- It took about 3 hours to add and test the relevant code for Lab 3. That included transforming the code from Lab 2 to Lab 3 requirements, understanding how to add the navbar component and hook it up with jQuery so that the clicked nav item was set to "active".
- It then took about another 30 minutes to do the validation, take screenshots, write up the technical report, etc.