

Home

"It always seems impossible until it's done." - Nelson Mandela

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Introduction

I am a Release Coordinator and part time student at Curtin University. I have experience in delivering financial projects and have adopted technical skills via Curtin and on the job training. I am well versed in agile ways of working and tools such as the Atlassian suite. I am hoping to complement my experience with the completion of a Bachelor of Commerce - Business Information Technology and Systems Double Major.

I began my career as a payroll officer assistant moving through various roles that led me to project management work. Overseas I extended my knowledge as I supported the teams to deliver country wide projects in Seychelles. Returning to Australia with my wife and children I endeavoured to further my knowledge and formalise my skill set into a degree which led me to multiple opportunities in the IT industry. I wish to continue my work and career with my current employer however explore possibilities in consulting and business process improvement.

Social Media

- www.linkedin.com/in/jeremiah-mein-1554bb55
- <https://www.facebook.com/profile.php?id=100067319894955>
- https://www.instagram.com/jara_mai07/



Overview of Website

This website aims to show case my hands on skills utilising HTML, CSS and Java script and my personal brand. It includes a section on my education, work experience, interests etc, and links to projects that I have completed in the Business Web and Applications Unit.

Jeremiah Mein

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About

"Do not be embarrassed by your failures, learn from them and start again." - Richard Branson

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Education

- Diploma Business, North Metropolitan TAFE 2001-2007
- Diploma Business Management, North Metropolitan TAFE 2001-2007
- Bachelor of Commerce - Business Information Technology and Systems Double Major (In Progress)

Skills

- Agile and Waterfall Project Management
- Change & Release Management
- Business Analysis
- Time Management
- Python and SQL
- Communication
- Business Process Improvement
- Systems Analysis and Design
- System Administration
- Training
- Jira Confluence
- Celoxis
- Clarity PPM
- MS Projects, Power BI, Visio
- Nexus Document Management
- Sharepoint



Interests

- Basketball
- Boxing
- Guitar & Music
- DJ & Mixing
- Reading
- Creative Writing
- Mountain Biking
- Gardening
- Health & Diet

Further Training

- Agile Fundamentals
- Agile Release Management
- Agile with Atlassian Jira
- Azure Fundamentals
- PMP Exam Prep
- Power BI Advanced
- API Design and Fundamentals - Apigee API
- Asset Management

For further information please refer to my linked in profile www.linkedin.com/in/jeremiah-mein-1554bb55. Additionally my resume and experience pack are available for download below.

[Download Resume](#) [Download Experience](#)

Jeremiah Mein

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Reflection

"The key to success is failure." - Michael Jordan

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Development of the portfolio website

To develop the portfolio website I initially researched some existing sites to get some ideas such as the following google search ([Inspiration](#)) I brainstormed who might be potential viewers of the site to determine personas and worked through the following processes.

1. Determined features, user stories and tasks.
2. Utilised MoSCoW to prioritise the stories
3. Determined the requirements that would form the MVP
4. Determined the information and system architecture
5. Designed the pages that would form the MVP

I listed some hard features that would be needed in the website using the assignment brief as requirements. This included, the mandatory pages and technologies to be used. I created an initial list of user stories and associated tasks. Following an Agile process I performed a MoSCoW analysis to prioritise the list of stories and determined the criteria and list of stories that would form the minimum viable product (MVP). Using Powerpoint I created the wireframe designs for each page.

During the class workshop we were given a demonstration of creating a page using a template from W3 Schools. I decided on a theme which would be pictures from my travels as headers and inspirational quotes. I utilized this template to build the first page being the project page and then proceeded to develop the first list of user stories that formed the MVP. Further enhancements were progressively added such as, click to speak and document download ability.

Challenges

Development was done locally using visual studio and utilizing a google chrome browser to open the HTML file. In the MVP and initial versions of the pages local links were used containing the C drive link in the path name which later created problems. Once I was satisfied with the first draft of my website including the pages I attempted to deploy to Netlify. At this stage my Github repository was set to private and I had not checked using Github as majority of the development work was done locally. The Netlify deployment resulted in success however when attempting to open the live site I was notified of a 404 error. I made several attempts which resulted in the same result.

After some brainstorming I arrived to the conclusion that the issue was from the page links within the files. To test this theory I decided to set my Github repository to public and update the links. I referred to chat GPT for assistance which recommended utilizing relative paths. I updated the links removing the path to c drive and making them relative to the folder they are in. After deploying in Github dev it resulted in just a page that displayed portfolio website. From this image I realized that the issue was from the folder structure I had used to develop the sit locally. All the folders including the home page and sub page sub folders were saved in a parent file titled portfolio website.

To resolve this issue I had to do some restructuring and started by moving the home page index file, css file and java script file to the main directory and out of the parent folder. After deploying this resulted in the home page working in Git hub however the other pages now not working. To resolve this second issue I updated every menu link in each of the nine pages to relative paths which resolved the issue on the home page.

After testing the sub pages the next issue was none of the links on the sub pages were opening to other pages. This took much thought and recalling the advice from the unit workshop using .. to instruct the program to look for a file up a level I was able to resolve the link to the home page on one of the sub pages. This issue was present on every page and I worked my way one page at a time. Some of the pages were sub pages contained in sub folders and I had to utilize .. to move up another level where this situation existed. After deploying to github the issue was now resolved.

The next issue that I worked on was that some of the page header images were not displaying. This again took some time to troubleshoot and page by page I worked through after identifying the issue was with the image link references in the code pointing to the wrong folder. In two cases the image reference was pointing to a parent folder and in one case I decided to move this entire page and folder up a level. Another related issue was that some of the filenames were incorrect where jpg was in capitals JPG which resolved some of the page image display issues.

After deploying to github I redeployed on netlify and the page worked correctly. I then tested the page display on my mobile and found that some menus were not displaying correctly whilst some text were overlapping headers. After doing some research online and getting advice from chat GPT I found the line to add to each page to auto adjust to mobile devices. However the issue still persisted and I was unable to resolve.

Whilst resolving some of these issues I had decided to leave some pages within sub folders without links to other pages due to the structure however I noticed that this was not a good user experience and decided to move the sub folders to main directory locations. Once moved I updated all the links in the pages and tested each page one by one so that each page could be accessed from every page.

I also faced a challenge with hover text not working on my project images in netlify and decided to make a change moving the project description text at the bottom of the images rather than to appear on hover.

Other Challenges

The development of this site brought about many challenges. Arriving at a layout that I could template and reuse for additional pages took time. Additionally, some pages required a different layout due to the requirements of the page. I was able to overcome many of the challenges using W3 schools for assistance and chat GPT, however many of the issues I could not resolve and left to discuss in the non conformance report. Some of the challenges that I faced through the development of the portfolio website were:

1. Adding one row with three columns was easily achieved. However, adding a second row and getting the images on the projects page to fit was challenging and took quite some time to resolve. Referring to W3 schools I was able to obtain the code to add another row. Through trial and error on the CSS style sheet I modified the image size of each image until they were the right sizing.
2. In the initial versions of the site I came across an issue where all project titles were underlined with some in blue and purple font except for the first. I was able to overcome this by updating the CSS file and by wrapping the image in an anchor tag. Using references from W3 schools I was able to obtain the code to add to the CSS style sheet.
3. Sending an email when the user clicks submit on the contact form was challenging. Using chat GPT and W3 schools I was able to resolve with java script so the submit button sends an email with the contact form contents.
4. Getting the text to appear when hovering over the images on the projects page was resolved however resulted in another issue.
5. As mentioned the hover text issue was resolved however the bottom row images resulted in glitches when hidden text displayed from the hover action.
6. Text to speech was cutting out after a few lines. This took some time and research and after referring to online help and chat GPT I applied a fix to break the speech into chunks and adjust the maximum length per chunk.

Successes

1. To ensure that the website appears correctly on all devices I researched and found the viewport code needed to accomplish this. This was added to every page.
2. Whilst resolving the send email issue from the contact form I saw the need for a reset button to clear the contents from the form. This was achieved by replicating the submit button and searching a reset function on chat GPT.

Other successes that were achieved are summarised below:

1. Click to speak feature was added for accessibility to hearing impaired users.
2. Hyperlinks were added to the menu page so that each page can be accessed from any page.
3. The contact form was created for user information to be captured and the send email feature was enabled to summarise the inquiry.
4. CSS Styling was made consistent for all the pages
5. Text justification was added to all CSS files for each page for text to display neatly
6. Font reduction was added to projects page for text to appear and fit when hover over image. Although, issues persisted with the glitching of text on the bottom row images.
7. When clicking the speak button for text to speech the feature would not stop until all the words on the page are spoken. After asking for user feedback I added a stop feature on a separate button and later merged into one button to stop and start.

Additional Information

To complement the description of the process followed I decided to create additional pages to save the content used to design and develop the site.

[Architecture Page](#)

The architecture page was created to document the thinking relating to the information, CSS, System, java script architecture and document object model. Designs have been included to illustrate the architecture with explanation given on how the technologies were organized for the build.

[Designs Page](#)

As mentioned, page designs were done using Powerpoint. In some pages I was able to reuse templates such as the home and reflection page as they had three column and one row. I was able to modify this template to add additional rows for other pages whilst some such as the contact form had to be researched and built. The design and development pages were not included in the initial page designs however the templates from other pages were reused to build them.

[User Stories Page](#)

This page illustrates the journey for the stories as they were initially listed with sub tasks, prioritized through the MoSCoW process then formed the MVP. Since I had available time I was able to deliver the majority of the stories in the website through further iterations of development which was later tested.

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Architecture

"Silence is golden when you can't think of a good answer." - Muhammad Ali.

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Click to speak

Information Architecture

Some of the key components of information architecture include:

1. Navigation: the way users move through the information, including menus, links, and buttons.
 2. Taxonomy: the organization of information into categories, subcategories, and labels.
 3. Search: the functionality that allows users to search for specific information.
 4. Labeling: the words and phrases used to describe and categorize information.
 5. Structure: the overall organization and hierarchy of the information.

The code represents a single-page site's information architecture with three main sections enclosed in divs with a class of 'column': Work experience, Education and skills, and Interests. The top section comprises a navigation bar with a class of 'hero-image', and the div with navigation links has a class of 'hero-text'. For website information architecture, the organization and presentation of information on a website include the website's structure, content labeling, navigation system, and user experience.

The HTML code's "head" section contains metadata such as title, author, and keywords, while the "body" section has the main content. The code uses semantic HTML tags such as "section", "nav", "h1", "h3", "p", "a", and "img" to structure the content, while CSS rules define the visual style of the page. The information architecture is well-organized with clear headings and descriptions and easy to navigate.

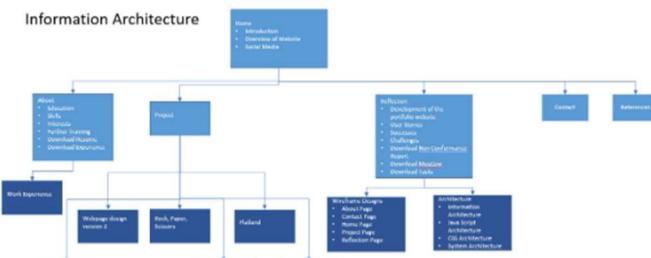
Java Script Architecture

The information architecture in this code is related to the organization and structure of the functions and variables used to create a text-to-speech functionality. The code defines a function called `splitTextIntoChunks` that takes a string of text and divides it into smaller chunks based on a maximum length. It also defines a function called `speakChunksSequentially` that takes an array of text chunks and speaks them one by one, using the `SpeechSynthesisUtterance` API.

The main function in the code is an event listener attached to a button, which toggles between starting and stopping the text-to-speech functionality. It checks if the SpeechSynthesis API is available, and if so, it gets the first available voice and binds it to the utterance object. It then splits the page text into chunks using splitTextIntoChunks and speaks them sequentially using speakChunksSequentially. Overall, the code uses a clear and logical organization of functions and variables to implement the text-to-speech functionality in a way that is easy to understand and modify.

Document Object Model (DOM)

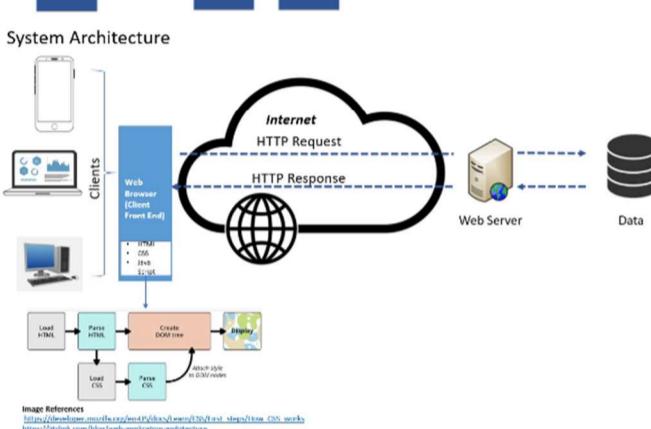
The Document Object Model (DOM) is a programming interface used to structure HTML and XML documents. It allows JavaScript to access HTML elements on a web page. HTML tags define relationships between different elements, with some being superordinate or subordinate to others. The DOM uses a tree structure to arrange these elements and display their hierarchies. When binding an event to a DOM element, the event handler can be included in the DOM element referenced in the event attribute (Reference <https://www.ionos.com/digitalguide/websites/web-development/an-introduction-to-the-document-object-model-dom/>).



CSS Architecture

The code snippet contains Cascading Style Sheets (CSS) rules that define the styling for a web page. Information architecture (IA) is not explicitly present in the code, but it is indirectly implied through the structure and layout of the page. The code defines the layout of the page using a header, three columns, and a footer. The columns and header are divided into different sections, such as a hero image with a text overlay, a navigation bar, and text content. This layout helps organize the information into distinct sections, which makes it easier for users to navigate the page and find the information they are looking for.

The CSS also defines the style of the text, such as font size, color, and alignment, which helps to improve the readability and accessibility of the content. Additionally, the CSS defines a responsive layout for smaller screens, which ensures that the page remains usable and accessible on different devices. Overall, the IA for this code can be inferred from the layout and structure of the page, as well as the CSS rules that define the visual style and layout of the content.

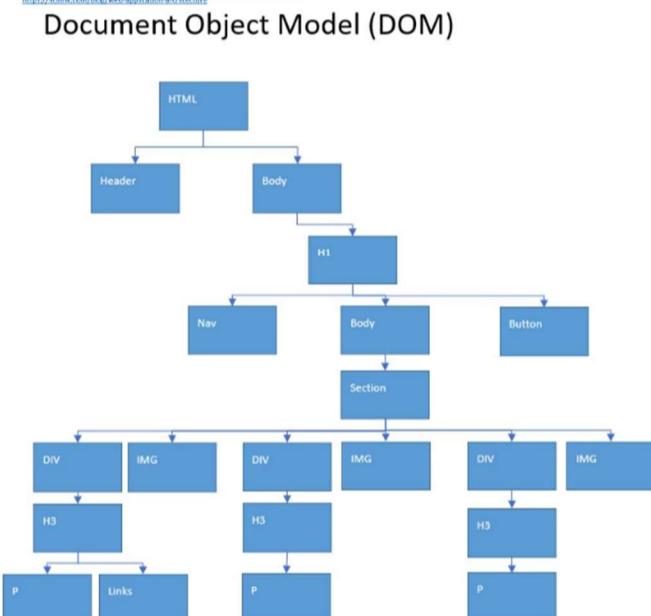


System Architecture

The code is a HTML code for a web page that displays information about a person's work experience, education, skills, and interests. As such, it does not have a "system architecture" in the traditional sense of software design. However, we can talk about the general architecture of the web page. The architecture of this web page is based on the client-server model, where the client (i.e., the user's web browser) requests a page from the server (i.e., the web server hosting the HTML file) and displays it to the user. The HTML file contains the content to be displayed, while the web server handles the requests and serves the appropriate file.

The page is organized using the Document Object Model (DOM), which is a hierarchical representation of the HTML elements in the page. The CSS stylesheet is used to style the page's elements and layout, while JavaScript is used to add interactivity to the page, such as the "Click to speak" button. Overall, the architecture of this web page is relatively simple and follows standard web development practices.

This code represents a basic HTML web page that contains both structural and presentational elements. It consists of a head section where meta tags, title, and external CSS file are declared. The body section contains two main elements: a section with a hero image and a text overlay containing navigation links, and a contact form that enables the user to submit data to the website owner. The architecture of the system cannot be determined from the provided code alone as it is only a front-end implementation. The back-end and database implementation (if any) of the system are not included in the code snippet.



User Story & MosCow

"We cannot solve problems with the kind of thinking we employed when we came up with them." — Albert Einstein

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Click to speak

User Stories

User Stories & Tasks

Story	Tasks
1. As a developer, I want to showcase my skills and projects on a portfolio website by creating web pages that will hold content that easily demonstrates my skills and capabilities. M	<ul style="list-style-type: none">Create home pageCreate about pageCreate portfolio pageCreate contact pageCreate reflection page
2. As a recruiter, I want to see a professional portfolio website that includes information about potential candidates such as experience. S	<ul style="list-style-type: none">Create a resume page that includes work experience, education, skills, interests and further training on about pageCreate a button for supporting experience downloadAdd a link for linkedIn for further informationAdd a description and methods used to each project
3. As a visually impaired user, I want to easily activate a text-to-speech feature on a website, to access the website content without relying on my vision. C	<ul style="list-style-type: none">Add text to speechCreate button for text to speechAdd start/stop function to text to speech
4. As a student, I want to showcase my projects developed using HTML, CSS and Java script to link images and projects to my page. M	<ul style="list-style-type: none">Add images of projects to projects pageLink the projects to my pageAdd a description and methods used to each project
5. As a user I want a navigation menu to all pages on every page accessed. S	<ul style="list-style-type: none">Create navigation menu barAdd search functionality
6. As a recruiter I want access to the site owners resume and experience. C	<ul style="list-style-type: none">Create a section for resume download
6. As a user I want a contact form that connects with my email to send my inquiry. C	<ul style="list-style-type: none">Create contact formAdd button for userCreate a submit buttonMail a button to my email
6. As a user I want the portfolio site to be responsive and adaptive to all devices. S	<ul style="list-style-type: none">Add responsive code to all pagesAdd consistent view across devicesAdd image header to every page for look and feelAdd captions and voice promptAdd chart function

MosCow

Moscow

Must Have	Should Have	Could Have	Want Have
1. As a developer, I want to showcase my skills and projects on a portfolio website by creating web pages that will hold content that easily demonstrates my skills and capabilities.	2. As a developer, I want to showcase my skills and projects on a portfolio website by creating web pages that will hold content that easily demonstrates my skills and capabilities.	3. As a visually impaired user, I want to easily activate a text-to-speech feature on a website, to access the website content without relying on my vision.	
2. As a student, I want to showcase my projects developed using HTML, CSS and Java script to link images and projects to my page.	3. As a student, I want to showcase my projects developed using HTML, CSS and Java script to link images and projects to my page.	4. As a user I want a navigation menu to all pages on every page accessed.	
3. As a visually impaired user, I want to easily activate a text-to-speech feature on a website, to access the website content without relying on my vision.	4. As a visually impaired user, I want to easily activate a text-to-speech feature on a website, to access the website content without relying on my vision.	5. As a recruiter I want access to the site owners resume and experience.	
4. As a user I want a contact form that connects with my email to send my inquiry.	5. As a user I want a contact form that connects with my email to send my inquiry.	6. As a user I want a contact form that connects with my email to send my inquiry.	
5. As a user I want the portfolio site to be responsive and adaptive to all devices.	6. As a user I want the portfolio site to be responsive and adaptive to all devices.	7. As a user I want to see a profile picture of the site owner.	

The portfolio website was built in iterations. The initial MVP was designed from a small set of three user stories and related tasks. Additional pages and features were added including click to speak and hover animations.

MVP

MVP

Story	Task
1. As a developer, I want to showcase my skills and projects on a portfolio website by creating web pages that will hold content that easily demonstrates my skills and capabilities.	<ul style="list-style-type: none">Create home pageCreate about pageCreate projects pageCreate contact pageCreate reflection page
2. As a student, I want to showcase my projects developed using HTML, CSS and Java script to link images and projects to my page.	<ul style="list-style-type: none">Add images of projects to projects pageLink the projects to my pageAdd a description and methods used to each project
3. As a visually impaired user, I want to easily activate a text-to-speech feature on a website, to access the website content without relying on my vision.	<ul style="list-style-type: none">Add a professional picture to the home page

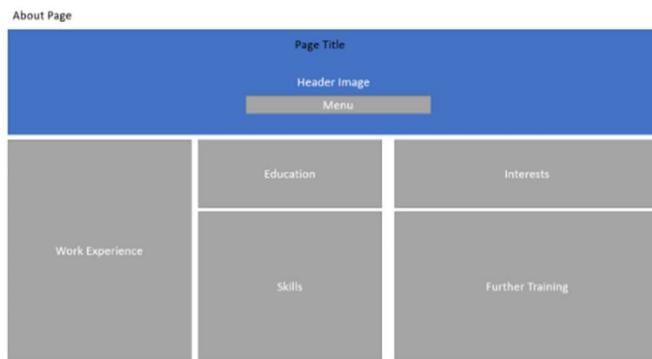
Designs

"Change will not come if we wait for some other person or some other time." - Barack Obama

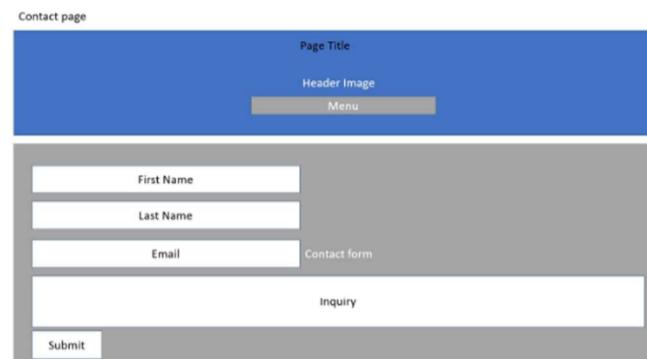
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Click to speak

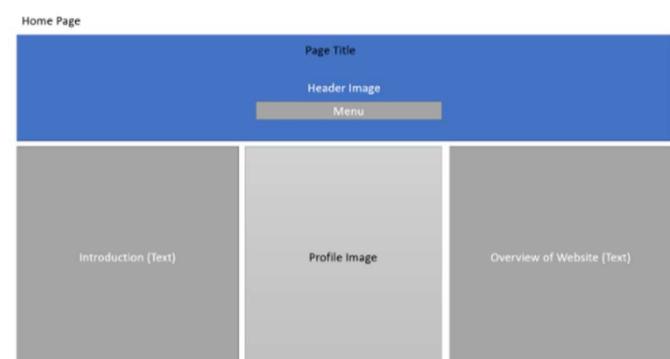
About page design



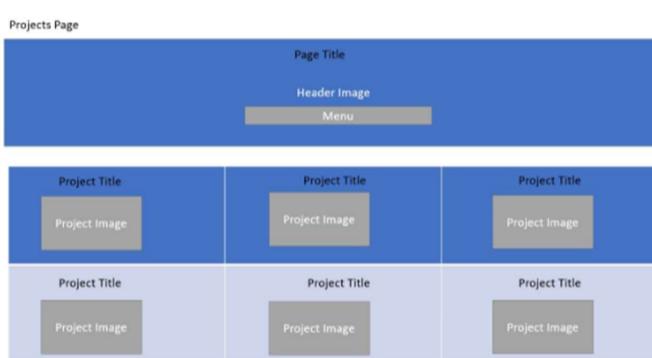
Contact Page Design



Home Page Design



Project Page Design



Reflection Page Design



Contact

"A goal is not always meant to be reached, it often serves simply as something to aim at." - Bruce Lee

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Click to speak

Contact Form

First Name

Last Name

email

Inquiry

Write something..

Jeremiah Mein

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jaramai_m@outlook.com

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Experience

"I really think a champion is defined not by their wins but by how they can recover when they fall." - Serena Williams

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Role	Organisation	Year
Agile Release Coordinator	Bunnings Technology	Jul 2020 - Present
Project Coordinator	Bunnings Technology	Dec 2019 - Jul 2020
Analyst BI Governance	Water Corporation	Nov 2019 - Dec 2019
Analyst Project Management Office & Business Improvement	Water Corporation	Sep 2019 - Nov 2019
Support Analyst Project Controls	Water Corporation	Nov 2018 - Sep 2019
Project Coordinator (Contract)	Bunnings Technology	Jun 2018 - Nov 2018
Project Management Officer	Roy Hill	Aug 2017 - Nov 2017
Senior Admin and Project Support	Central Bank of Seychelles	Dec 2011 - Apr 2017
Personnel and Payroll Supervisor, Human Resource Systems and Testing Officer, Business Support Analyst, Team Leader, Payroll Officer	Department of Education and Training	Dec 2002 - Mar 2012
IT Administrative Assistant	Department of Environmental Health	Sep 2009 - Jan 2010 London UK

For further information please refer to my [linked in](#) profile www.linkedin.com/in/jeremiah-mein-1554bb55. Additionally my resume and experience pack are available for download below.

[Download Resume](#) [Download Experience](#)

References

"When the student is ready, the teacher will appear."

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Chat GPT

A number of resources were used for this assignment to adhere to best practices, resolve issues and find methods to fulfill the requirements of the portfolio. Initially, references were found using google however later on in the development of the website chat GPT was referred to for advice as per the following:

- Remove underline from project titles on project page
- Hover box appear on right of image
- Add a table to the web page
- Text to speech
- Start and stop text to speech button
- Used GPT to summarise and shorten the about section descriptions
- Remove underline and purple and blue text colour
- Update the font size
- Enable further scrolling
- Centre the table
- Implement styling for table

Used for	Reference
Images side by side	https://www.w3schools.com/howto/tryit.asp?filename=tryhow_css_images_side_by_side
Float boxes with equal height	https://www.w3schools.com/css/tryit.asp?filename=trycss_float_boxes_height
Header Image	https://www.w3schools.com/howto/tryit.asp?filename=tryhow_css_hero_image
CSS Color Codes	https://www.rapidtables.com/web/css/css-color.html
Consistent website view across devices	https://stackoverflow.com/questions/61480781/how-to-make-my-website-look-the-same-on-all-screens
Send email on form submit button	https://www.w3schools.com/html/tryit.asp?filename=tryhtml_form_mail
Justify text within an element	https://www.w3schools.com/cssref/tryit.php?
Create three columns	https://www.w3schools.com/howto/tryit.asp?filename=tryhow_css_three_columns
CSS Template	https://www.w3schools.com/css/css_templates.asp
Contact Form	https://www.w3schools.com/howto/tryit.asp?filename=tryhow_css_contact_form
Nelson Mandela Quote	https://www.gov.za/address-president-nelson-mandela-inauguration-president-republic-south-africa
Richard Branson Quote	https://www.virgin.com/richard-branson/do-not-be-embarrassed-by-your-failures-learn-from-them-and-start-again
Michael Jordan Quote	https://www.brainyquote.com/quotes/michael_jordan_104368
Muhammad Ali Quote	https://www.brainyquote.com/quotes/muhammad_ali_101814
Albert Einstein Quote	https://www.goodreads.com/quotes/8883-we-cannot-solve-our-problems-with-the-same-thinking-we
Barack Obama Quote	https://www.goodreads.com/quotes/104291-when-the-student-is-ready-the-teacher-will-appear