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AI SEO INTERNAL LINKS

SEO Analysis Report

hillelwayne.com

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HILLEL WAYNE

Blog Posts

2025, Apr 01	Gamer Games for Non-Gamers
2025, Mar 12	A Perplexing Javascript Parsing Puzzle
2025, Mar 04	The Hierarchy of Controls (or how to stop devs from dropping prod)
2024, Sep 11	Hiatus
2024, Jul 15	Toolbox languages
2024, Jun 17	Composing TLA+ Specifications with State Machines
2024, May 01	Software Friction
2024, Apr 10	Don't let Alloy facts make your specs a fiction
2024, Apr 01	The Tale of Daniel

REPORT TYPE
Full Site Analysis

PAGES ANALYZED
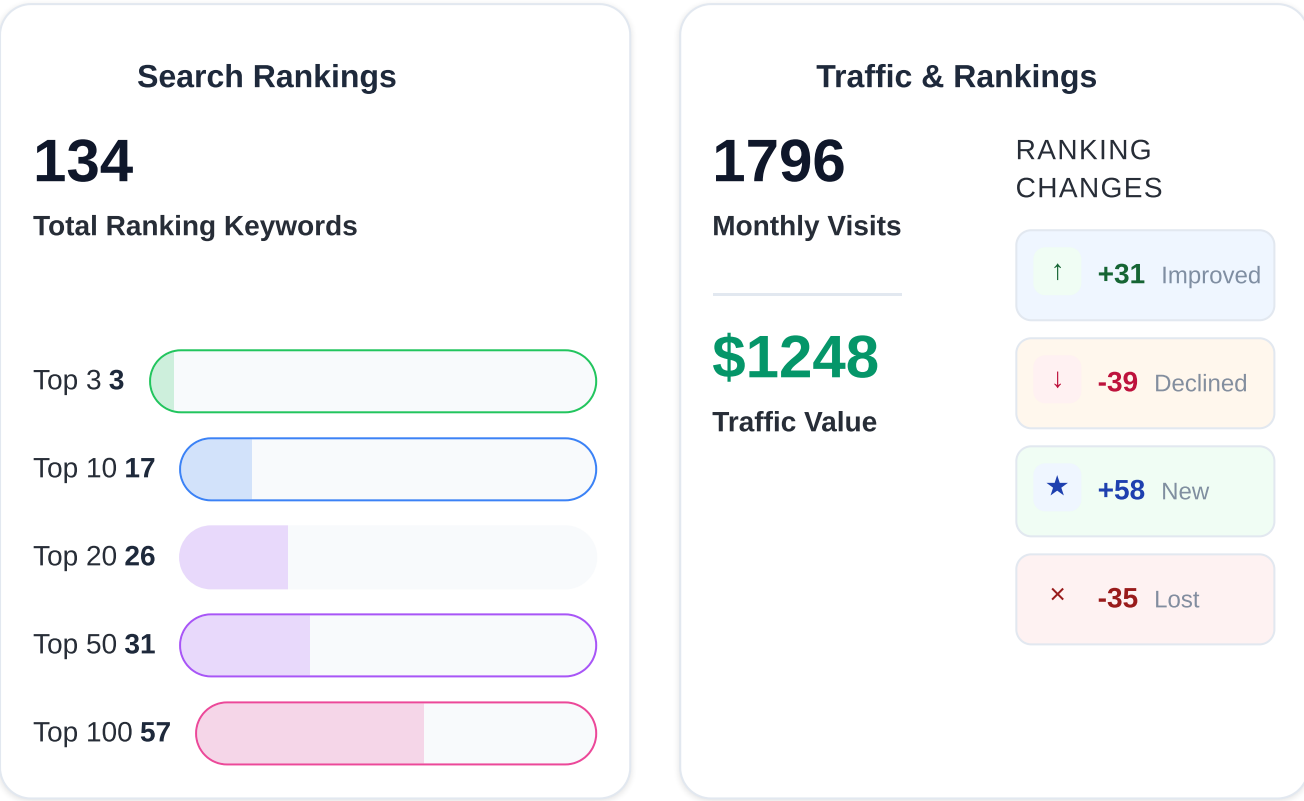**31**

CRAWL DATE
22.08.25

OVERALL SCORE
86%

Upgrade now to access our 24/7 automated On-Page Optimization bot that works
while you sleep — smart internal linking, technical improvements, accessibility fixes,
and AI-powered content suggestions.

Are you an agency? We have white-label solutions and API access.

Domain Rankings

Overview of your domain's search visibility. The metrics show how many of your keywords rank in different position ranges: Top 3 positions (highly visible), Top 10 (first page results), Top 50 (first five pages), and Top 100 (significant ranking positions). Higher rankings in Top 3 and Top 10 typically drive more organic traffic.

Search Rankings

134

Total Ranking Keywords

Top 3 **3**

Top 10 **17**

Top 20 **26**

Top 50 **31**

Top 100 **57**

Traffic & Rankings

1796

Monthly Visits

$1248

Traffic Value

RANKING CHANGES

↑ **+31** Improved

↓ **-39** Declined

★ **+58** New

× **-35** Lost

Optimization Overview

Overall SEO Score

86%

Excellent

Technical Score

69%

Good

Content Score

64%

Fair

Structure Score

57%

Fair

Category	Score	Change	Priority Issues
Technical & Meta Server performance, security, mobile optimization, SSL certificates, page speed, robots.txt configuration, XML sitemaps	**69%**		0 issues
Content Text quality, readability, media optimization, meta descriptions, headings, keyword usage, content length, duplicate content	**64%**		0 issues
Structure Navigation, URLs, internal linking, site architecture, breadcrumbs, menu structure, XML sitemaps, robots.txt, canonical tags, redirects	**57%**		0 issues
Accessibility WCAG compliance, user experience	**89%**		4 issues

Site Metrics Overview

Page Statistics	Status	Severity	Affected Pages	Details
Total Pages	i	Low	31 pages	Total number of pages discovered on the website
Crawled Pages	i	Low	31 pages	Number of pages successfully crawled and analyzed
Indexable Pages	i	Low	31 pages	Pages that can be indexed by search engines
Uncrawlable Pages	✓	Medium		Pages that could not be accessed or analyzed
Ranked Pages	✓	Low		Pages that appear in search results
Blocked Pages	✓	Medium		Pages blocked by robots.txt
Nofollow Pages	✓	Low		Pages with nofollow meta tag
Pages With Issues	✗	High	31 pages	Pages with technical SEO issues

Meta Information	Status	Severity	Affected Pages	Details
Title Issues	✓	High		Pages with title tag issues (missing, too long, too short)
Meta Tag Description Issues	✓	Medium		Pages with meta description issues (too long, too short)
Duplicate Titles	✓	Medium		Pages using identical title tags
Duplicate Descriptions	✓	Medium		Pages using identical meta descriptions
Missing Meta Tags	✓	High		Missing Meta Tags

Content Structure	Status	Severity	Affected Pages	Details
H1 Tag Issues	✗	High	27 pages	Pages with missing or multiple H1 tags
Heading Structure Issues	✗	Medium	25 pages	Pages with improper heading hierarchy
Emphasis Tag Issues	✓	Low		Pages with excessive or improper use of emphasis tags
Frames Used	✓	Medium		Pages using frames or iframes
Error Pages	✓	High		Pages with visible error messages
Missing Alt Text	✗	Medium	31 pages	Images missing alternative text
Oversized Pages	✓	Medium		Pages exceeding recommended size limits
Multilanguage Issues	✗	Medium	29 pages	Page with multilanguage issues
Opengraph Tag Issues	✗	Medium	1 pages	Pages with OpenGraph tag issues
Structured Data Issues	✓	Medium		Pages with Structured Data issues

URL Analysis	Status	Severity	Affected Pages	Details
Urls With Parameters	✓	Medium		URLs containing query parameters
Session Ids In Urls	✓	High		URLs containing session IDs
Deep Directory Structure	✓	Medium		URLs with excessive directory depth

URL Analysis	Status	Severity	Affected Pages	Details
Long Urls	✓	Medium		URLs exceeding recommended length
Questionable Urls	✓	High		URLs with potential SEO issues

Resource Analysis	Status	Severity	Affected Pages	Details
Total Resources	i	Low	31 pages	Total number of resources (images, scripts, styles)
Failed Resources	✓	High		Resources that failed to load
Blocked Resources	✓	Medium		Resources blocked by robots.txt
Mixed Content	✓	High		HTTP resources on HTTPS pages
Resource Issues	✓	Medium		Pages with resource loading issues
Resource Heavy Pages	✓	Medium		Pages with excessive resource usage

Performance	Status	Severity	Affected Pages	Details
Fast Loading Pages	i	Low	31 pages	Pages loading in under 2 seconds
Medium Loading Pages	✓	Medium		Pages loading in 2-4 seconds
Slow Loading Pages	✓	High		Pages loading in over 4 seconds
Average Load Time	i	Low	0.3s	Average page load time across site

Link Structure	Status	Severity	Affected Pages	Details
High Internal Links	✓	Medium		Pages with excessive internal links
Low Internal Links	✗	Medium	5 pages	Pages with insufficient internal links
Total Redirects	✓	Low		Total number of redirects found
Redirect Issues	✓	High		Pages with redirect chain issues
Redirect Loops	✓	High		Pages with circular redirects
External Link Issues	✓	High		Pages with broken external links
Deep Pages	✓	Medium		Pages requiring many clicks from homepage
Canonical Issues	✓	High		Pages with canonical tag issues
Alternate Link Issues	✓	Medium		Pages with hreflang issues

Content Quality	Status	Severity	Affected Pages	Details
Thin Content Pages	✓	High		Pages with insufficient content
Long Content Pages	✓	Medium		Pages with excessive content length
Duplicate Paragraphs	✓	Medium		Pages with repeated content blocks
Keyword-Title Mismatch	✗	High	11 pages	Pages where title keywords missing from content
Keyword-H1 Mismatch	✓	High		Pages where H1 keywords missing from content

Content Quality	Status	Severity	Affected Pages	Details
Pages With Typos	✓	Medium		Pages containing spelling errors
Filler Content Pages	✗	High	7 pages	Pages with low-quality content
Duplicate Content Groups	✓	High		Groups of pages with similar content
Competing Pages	✓	Medium		Pages competing for same keywords
Ai Content Issues	✗	Medium	38 pages	Pages with AI Content issues

Accessibility	Status	Severity	Affected Pages	Details
Total Accessibility Issues	✗	High	4 pages	Total number of accessibility issues found across all pages
Critical Accessibility Issues	✓	High		High-priority issues that severely impact accessibility (missing alt text, form labels, language)
Major Accessibility Issues	✗	Medium	4 pages	Important issues that affect accessibility (heading structure, landmarks, contrast)
Minor Accessibility Issues	✓	Low		Lower-priority issues that could be improved (decorative images, fieldsets)
Fully Accessible Pages	✓	Low		Pages that pass all accessibility checks

Technical Analysis

Why Technical SEO Matters

Technical SEO forms the foundation of your website's search engine performance. It ensures that search engines can effectively crawl, index, and render your content, directly impacting your site's visibility and rankings.

Crawling & Indexing

Proper technical setup ensures search engines can discover and process all your important content. Issues in this area can leave valuable pages invisible to search engines.

→ XML sitemaps guide search engines to your content

→ Canonical tags prevent duplicate content issues

→ Meta robots tags control page indexing

→ URL structure affects content discovery

Site Performance

Loading speed and performance metrics directly affect both search rankings and user experience. Google specifically considers Core Web Vitals in its ranking algorithms.

→ Largest Contentful Paint (LCP) measures loading speed

→ First Input Delay (FID) tracks interactivity

→ Cumulative Layout Shift (CLS) measures visual stability

→ Resource optimization improves page speed

Mobile Optimization

With Google's mobile-first indexing, your site's mobile experience is crucial for SEO success. This includes responsive design and mobile-friendly content.

→ Responsive design adapts to all screen sizes

→ Touch elements need proper spacing

→ Font sizes must be readable on mobile

→ Content should be accessible without horizontal scrolling

→ Mobile-specific meta viewport configuration

Security & Structure

HTTPS implementation and proper URL structure contribute to both security and SEO. Clean URLs and secure connections build trust with users and search engines.

→ HTTPS encryption protects user data

→ SSL certificates verify site authenticity

→ Clean URL structure improves crawlability

→ Proper redirects maintain link equity

→ Security headers protect against threats

Additional Technical Considerations

JavaScript & Rendering

Modern websites often rely heavily on JavaScript, which can affect how search engines process your content.

→ Server-side rendering improves crawler access
→ Dynamic content needs proper implementation
→ JavaScript frameworks require special consideration
→ Resource loading order affects rendering

International SEO

For websites serving multiple countries or languages, proper technical implementation is crucial for targeting the right audience.

→ Hreflang tags indicate language versions
→ Country-specific domains or subdomains
→ Geotargeting through Search Console
→ Content localization best practices
→ International URL structures

Structured Data

Schema markup helps search engines understand your content better and can lead to enhanced search results.

→ Rich snippets improve search visibility
→ Organization and breadcrumb markup
→ Product and review schemas
→ FAQ and How-to content markup
→ Local business structured data

Content Delivery

How your content is served to users can significantly impact both performance and SEO effectiveness.

→ CDN implementation for faster delivery
→ Image optimization and lazy loading
→ Browser caching configuration
→ Compression and minification
→ Resource prioritization

Analysis Category	Severity	Count	Change
Crawling Statistics			
Pages crawled	Info	31	+30
Pages with technical errors	Critical	0	+0
Problems with external Links	Warning	0	+0

Analysis Category	Severity	Count	Change
Meta Tags and Page Attributes			
Pages with too short title tags	Critical	0	+0
Pages with too long title tags	Critical	0	+0
Pages with too short meta descriptions	Warning	0	+0
Pages with too long meta descriptions	Warning	0	+0
Missing meta tags	Critical	0	+0
Duplicate meta descriptions	Warning	0	+0
URL Details			
Non-SEO friendly URLs	Warning	0	+0
Dynamic URLs	Warning	0	+0
File Sources (Image, CSS, JS)			
Missing resources	Critical	0	+0
Resource loading issues	Warning	0	+0
Performance			
Slow loading pages	Warning	0	+0

Analysis Category	Severity	Count	Change
Pages without compression	Warning	0	+0
Pages without caching	Warning	0	+0
Resource heavy pages	Warning	0	+0
Pages with excessive resources	Warning	0	+0
Poor Core Web Vitals	Warning	0	+0
Pages missing viewport meta tag	Critical	0	+0

Content Analysis

Why Content Quality Matters

High-quality content is essential for both search engine rankings and user engagement. It determines how well your website serves its purpose and connects with your audience, directly impacting your site's authority and conversion rates.

Content Quality & Relevance

Quality content meets user intent and provides valuable information. It's the foundation of successful SEO and user engagement.

→ Clear and purposeful content structure
→ Comprehensive topic coverage
→ Updated and accurate information
→ Engaging and readable format
→ Proper grammar and spelling

SEO Optimization

Well-optimized content helps search engines understand and rank your pages while maintaining natural readability for users.

→ Strategic keyword placement
→ Optimized meta descriptions and titles
→ Proper heading hierarchy
→ Internal linking strategy
→ Rich snippets and structured data

User Experience

Content should be easy to consume and navigate, providing a smooth and engaging experience for all users.

→ Scannable text structure
→ Clear calls-to-action
→ Mobile-friendly formatting
→ Accessible content design
→ Engaging multimedia elements

Content Freshness

Regular updates and timely content demonstrate authority and keep your website relevant to both users and search engines.

→ Regular content updates
→ Removal of outdated information
→ Seasonal content strategy
→ News and trend coverage
→ Historical content optimization

Additional Technical Considerations

E-A-T Signals

Expertise, Authoritativeness, and Trustworthiness are crucial factors in content quality assessment.

→ Author expertise and credentials
→ Factual accuracy and citations
→ Industry authority signals
→ Trust indicators and social proof
→ Professional content presentation

Content Diversity

A mix of content types helps engage different user preferences and search intents.

→ Educational and informative content
→ Visual content and infographics
→ Video and interactive elements
→ User-generated content integration
→ Case studies and testimonials

AI Content Considerations

Understanding and properly implementing AI-generated content while maintaining quality and authenticity.

→ Natural language and tone
→ Original insights and value
→ Human editorial oversight
→ Proper fact-checking
→ Unique perspective integration

Content Performance

Monitoring and optimizing content based on user engagement and search performance metrics.

→ Engagement metrics analysis
→ Conversion rate optimization
→ Search ranking tracking
→ User feedback integration
→ A/B testing implementation

Analysis Category	Severity	Count	Change
Text Quality Issues			
Pages with readability issues	Warning	0	+0
Pages with thin content	Warning	0	+0
Pages with very much text	Info	0	+0
Content Optimization Issues			

Analysis Category	Severity	Count	Change
Pages using keywords in title but not in body	Warning	11	+0
https://hillelwayne.com		Missing Keywords: wayne, hillel	
https://hillelwayne.com/post/performance-matters/		Missing Keywords: matters	
https://hillelwayne.com/post/graph-types/		Missing Keywords: hunt, missing	
https://hillelwayne.com/post/ahk/		Missing Keywords: praise	
https://hillelwayne.com/post/		Missing Keywords: blog	
https://hillelwayne.com/post/augmenting-agile/		Missing Keywords: augmenting	
https://hillelwayne.com/post/composing-tla/		Missing Keywords: machines	
https://hillelwayne.com/post/graphing-tla/		Missing Keywords: limits, breaking	
https://hillelwayne.com/post/cross-branch-testing/		Missing Keywords: cross	
https://hillelwayne.com/post/haitus/		Missing Keywords: hiatus	
https://hillelwayne.com/post/formally-modeling-migrations/		Missing Keywords: formally	
Pages with filler content	Warning	7	+0
https://hillelwayne.com/post/graph-types/		Phrases found: learn more	
https://hillelwayne.com/post/business-case-formal-methods/		Phrases found: read more	
https://hillelwayne.com/post/composing-tla/		Phrases found: learn more	
https://hillelwayne.com/post/influential-dead-languages/		Phrases found: learn more	

Analysis Category	Severity	Count	Change
https://hillelwayne.com/post/modeling-deployments/	*Phrases found: learn more*		
https://hillelwayne.com/post/feature-interaction/	*Phrases found: read more*		
https://hillelwayne.com/post/formally-modeling-migrations/	*Phrases found: learn more*		
Pages with potential typos	Warning	0	+0
Pages with keyword cannibalization	Critical	0	+0
Pages with overlapping keywords in the same section	Warning	0	+0
Pages targeting the same high-value keywords	Critical	0	+0

Duplicate Content Issues

Analysis Category	Severity	Count	Change
Content that appears on several pages	Critical	0	+0
Pages with duplicate titles	Warning	0	+0
Pages with duplicate meta descriptions	Warning	0	+0

AI Content Issues

Analysis Category	Severity	Count	Change
High-risk AI-generated content	Critical	13	+0
https://hillelwayne.com/post/graph-types/			
https://hillelwayne.com/post/tla-messages/			
https://hillelwayne.com/post/action-properties/			
https://hillelwayne.com/post/augmenting-agile/			

Analysis Category	Severity	Count	Change
https://hillelwayne.com/post/composing-tla/			
https://hillelwayne.com/post/this-is-how-science-happens/			
https://hillelwayne.com/post/hypothesis-oracles/			
https://hillelwayne.com/post/graphing-tla/			
https://hillelwayne.com/post/why-dont-people-use-formal-methods/			
https://hillelwayne.com/post/modeling-deployments/			
https://hillelwayne.com/post/feature-interaction/			
https://hillelwayne.com/post/formally-modeling-migrations/			
https://hillelwayne.com/post/minizinc-2/			
Possible AI-generated content	Warning	2	+0
https://hillelwayne.com/post/minizinc/			
https://hillelwayne.com/formally-specifying-uis/			
Generic or low-quality content	Warning	2	+0
https://hillelwayne.com			
https://hillelwayne.com/post/			
Low engagement content	Warning	4	+0
https://hillelwayne.com			
https://hillelwayne.com/post/world-vs-machine/			
https://hillelwayne.com/post/			
https://hillelwayne.com/post/haitus/			
Uniform content structure	Warning	2	+0
https://hillelwayne.com/post/modeling-deployments/			

Analysis Category	Severity	Count	Change
https://hillelwayne.com/post/minizinc-2/			
Common repetitive phrases	Info	10	+0
	'answer_key = s . lists(s . integers(min_value = 1' (found 1 times)		
	'exam = exam' (found 1 times)		
	'while TRUE do await queue /= <<>>' (found 1 times)		
	'+ end either' (found 1 times)		
	'msg |-> d]' (found 1 times)		
	'@classmethod def __subclasshook__ (cls' (found 1 times)		
	'@classmethod def __subclasshook__ (_' (found 1 times)		
	'awake = << false' (found 1 times)		
	'Time] { transition [t' (found 1 times)		
	'"requesting" >> -> /\ \E x \in Strings' (found 1 times)		
Low content originality	Warning	8	+0
https://hillelwayne.com			
https://hillelwayne.com/post/tla-messages/			
https://hillelwayne.com/post/			
https://hillelwayne.com/post/composing-tla/			
https://hillelwayne.com/post/this-is-how-science-happens/			

Analysis Category	Severity	Count	Change
https://hillelwayne.com/post/why-dont-people-use-formal-methods/			
https://hillelwayne.com/post/formally-modeling-migrations/			
https://hillelwayne.com/post/minizinc-2/			
AI content distribution by type	Info	**14**	+0
	blog_posts: 14 AI / 15 Human		
Site-wide AI content metrics	Info	**31**	+0
	AI Content Rate: 48.39%		
	High Risk Rate: 41.94%		
	Quality Issue Rate: 6.45%		
	Content Consistency: 100.0%		

Structure Analysis

Why Website Structure Matters

A well-organized website structure is crucial for both search engines and users. It determines how easily content can be discovered, understood, and navigated, directly affecting your site's crawlability, user experience, and ranking potential.

URL Structure

Clean, logical URL structures help search engines understand your content hierarchy and improve user navigation.

→ Descriptive URL slugs for better context
→ Logical category hierarchies
→ Consistent URL patterns
→ Proper parameter handling
→ SEO-friendly directory structure

Internal Linking

Strategic internal linking distributes page authority and helps users discover related content.

→ Contextual link placement
→ Link equity distribution
→ Descriptive anchor texts
→ Content siloing strategy
→ Breadcrumb navigation

Site Architecture

A logical site architecture ensures efficient crawling and helps users find information quickly.

→ Flat hierarchy for quick access
→ Clear content categorization
→ Strategic content grouping
→ Optimized crawl depth
→ Efficient internal navigation

Navigation Design

Intuitive navigation helps users explore your site and ensures search engines understand content relationships.

→ Clear main navigation
→ Consistent menu structure
→ Mobile-friendly navigation
→ Secondary navigation options
→ Footer site maps

Additional Technical Considerations

Content Organization

Proper content organization improves user engagement and search engine understanding.

→ Logical content hierarchy

→ Topic clustering

→ Category relationships

→ Tag organization

→ Content taxonomy

Technical Structure

Technical aspects of site structure affect crawling efficiency and indexation.

→ XML sitemap organization

→ Robots.txt structure

→ Canonical implementation

→ Redirect management

→ Error page handling

User Flow Optimization

Optimized user flows improve engagement and conversion rates.

→ Clear conversion paths

→ Strategic CTAs placement

→ Related content suggestions

→ User journey mapping

→ Navigation patterns

Mobile Structure

Mobile-specific structure considerations ensure consistent experience across devices.

→ Responsive navigation patterns

→ Mobile menu organization

→ Touch-friendly elements

→ Content prioritization

→ Mobile-first architecture

Analysis Category	Severity	Count	Change
Heading Structure			
Missing H1 headings	Critical	27	+0
https://hillelwayne.com		*Page lacks H1 heading*	
https://hillelwayne.com/post/performance-matters/		*Page lacks H1 heading*	
https://hillelwayne.com/post/property-testing-complex-inputs/		*Page lacks H1 heading*	

Analysis Category	Severity	Count	Change
https://hillelwayne.com/post/we-are-not-special/	Page lacks H1 heading		
https://hillelwayne.com/post/graph-types/	Page lacks H1 heading		
https://hillelwayne.com/post/tla-messages/	Page lacks H1 heading		
https://hillelwayne.com/post/ahk/	Page lacks H1 heading		
https://hillelwayne.com/post/software-mimicry/	Page lacks H1 heading		
https://hillelwayne.com/post/world-vs-machine/	Page lacks H1 heading		
https://hillelwayne.com/post/uncle-bob/	Page lacks H1 heading		
https://hillelwayne.com/post/business-case-formal-methods/	Page lacks H1 heading		
https://hillelwayne.com/post/action-properties/	Page lacks H1 heading		
https://hillelwayne.com/post/	Page lacks H1 heading		
https://hillelwayne.com/post/python-abc/	Page lacks H1 heading		
https://hillelwayne.com/post/microscopy/	Page lacks H1 heading		
https://hillelwayne.com/formally-specifying-uis/	Page lacks H1 heading		
https://hillelwayne.com/post/composing-tla/	Page lacks H1 heading		
https://hillelwayne.com/post/this-is-how-science-happens/	Page lacks H1 heading		
https://hillelwayne.com/post/hypothesis-oracles/	Page lacks H1 heading		
https://hillelwayne.com/post/influential-dead-languages/	Page lacks H1 heading		

Analysis Category	Severity	Count	Change
Multiple H1 headings	Warning	4	+0
https://hillelwayne.com/post/minizinc/	*Found 2 H1 headings*		
https://hillelwayne.com/post/augmenting-agile/	*Found 2 H1 headings*		
https://hillelwayne.com/post/graphing-tla/	*Found 2 H1 headings*		
https://hillelwayne.com/post/why-dont-people-use-formal-methods/	*Found 3 H1 headings*		
Incorrect heading H1-H6 hierarchy	Warning	3	+0
https://hillelwayne.com/post/augmenting-agile/	*Backwards heading skip: H3 to H1*		
https://hillelwayne.com/post/why-dont-people-use-formal-methods/	*Backwards heading skip: H3 to H1*		
https://hillelwayne.com/post/problems-with-the-4doc-model/	*Backwards heading skip: H4 to H2*		
Empty heading tags	Critical	0	+0
Duplicate headings on page	Warning	1	+0
https://hillelwayne.com/post/this-is-how-science-happens/	*'November 2014' used 2 times*		
Overly long headings	Warning	0	+0
Missing keywords in headings	Warning	4	+0
https://hillelwayne.com/post/minizinc/	*Keywords missing from H1: constraint, solving, minizinc*		
https://hillelwayne.com/post/minizinc/	*Keywords missing from title: constraint solving with minizinc*		

Analysis Category	Severity	Count	Change
https://hillelwayne.com/post/minizinc/	*Keywords missing from h1: optimizing*		
https://hillelwayne.com/post/augmenting-agile/	*Keywords missing from H1: augmenting, agile, formal, methods*		
https://hillelwayne.com/post/augmenting-agile/	*Keywords missing from title: augmenting agile with formal methods*		
https://hillelwayne.com/post/augmenting-agile/	*Keywords missing from h1: is it worth it?*		
https://hillelwayne.com/post/graphing-tla/	*Keywords missing from H1: breaking, limits, tla+, model, checking*		
https://hillelwayne.com/post/graphing-tla/	*Keywords missing from title: breaking the limits of tla+ model checking*		
https://hillelwayne.com/post/graphing-tla/	*Keywords missing from h1: steps*		
https://hillelwayne.com/post/why-dont-people-use-formal-methods/	*Keywords missing from H1: don't, people, methods?*		
https://hillelwayne.com/post/why-dont-people-use-formal-methods/	*Keywords missing from title: why don't people use formal methods?*		
https://hillelwayne.com/post/why-dont-people-use-formal-methods/	*Keywords missing from h1: formal coding*		

Internal Linking Structure

Malformed URLs	Critical	0	+0
Potentially broken CMS links	Warning	0	+0
Orphaned pages	Critical	0	+0
Pages with excessive internal links	Warning	0	+0

Analysis Category	Severity	Count	Change
Pages with insufficient links	Warning	**16**	+0
https://hillelwayne.com	1 links		
https://hillelwayne.com/post/performance-matters/	1 links		
https://hillelwayne.com/post/ahk/	1 links		
https://hillelwayne.com/post/software-mimicry/	2 links		
https://hillelwayne.com/post/world-vs-machine/	2 links		
https://hillelwayne.com/post/uncle-bob/	2 links		
https://hillelwayne.com/post/minizinc/	2 links		
https://hillelwayne.com/post/business-case-formal-methods/	2 links		
https://hillelwayne.com/post/	1 links		
https://hillelwayne.com/post/python-abc/	2 links		
https://hillelwayne.com/post/microscopy/	1 links		
https://hillelwayne.com/post/this-is-how-science-happens/	2 links		
https://hillelwayne.com/post/influential-dead-languages/	2 links		
https://hillelwayne.com/post/modeling-deployments/	1 links		
https://hillelwayne.com/post/haitus/	1 links		
https://hillelwayne.com/post/problems-with-the-4doc-model/	1 links		

Analysis Category	Severity	Count	Change
Broken internal links	Critical	3	+0
https://hillelwayne.com/post/uncle-bob/	*Links to https://hillelwayne.com/post/10x - Status code: 404*		
https://hillelwayne.com/post/formally-modeling-migrations/	*Links to https://hillelwayne.com/page/consulting - Status code: 404*		
https://hillelwayne.com/post/minizinc-2/	*Links to https://hillelwayne.com/post/handwriting-j - Status code: 404*		

Navigation Structure

Analysis Category	Severity	Count	Change
Deep page structure (4+ levels)	Warning	0	+0
Redirect chains	Critical	0	+0

Accessibility Analysis

Why Accessibility Matters

Ensuring your website is accessible to all users, including those with disabilities, is not only a legal requirement in many regions but also enhances user experience and broadens your audience reach. Accessibility improvements can also positively impact SEO and overall site usability.

Keyboard Navigation

Ensures users can navigate your site using a keyboard, which is crucial for those with motor disabilities.

→ All interactive elements are focusable

→ Logical tab order

→ Visible focus indicators

→ Skip links for easy navigation

→ No keyboard traps

Image Alt Text

Provides text alternatives for images, allowing screen readers to convey the content to visually impaired users.

→ Descriptive alt text for all images

→ Empty alt attributes for decorative images

→ Consistent use of alt text

→ Alt text matches image context

→ Use of longdesc for complex images

Form Labels

Ensures all form fields have associated labels, which are essential for screen reader users.

→ Clear and descriptive labels

→ Labels associated with inputs

→ Placeholder text not used as labels

→ Instructions provided for complex forms

→ Accessible error messages

Color Contrast

Ensures text and background color combinations provide sufficient contrast for readability.

→ Contrast ratio of at least 4.5:1 for normal text

→ Contrast ratio of at least 3:1 for large text

→ High contrast mode support

→ Consistent color usage

→ Color not used as the sole means of conveying information

Additional Technical Considerations

ARIA Roles

Uses ARIA roles and properties to enhance the accessibility of dynamic content and complex UI components.

→ Correct use of ARIA roles

→ ARIA roles complement native HTML

→ ARIA properties used for dynamic content

→ Accessible name and description provided

→ Testing with screen readers

Accessible Multimedia

Ensures all multimedia content is accessible to users with disabilities.

→ Captions for videos

→ Transcripts for audio content

→ Audio descriptions for video

→ Keyboard controls for media players

→ Accessible media player interfaces

Responsive Design

Ensures the website is usable on all devices and screen sizes, including assistive technologies.

→ Responsive layout adapts to screen size

→ Touch targets are appropriately sized

→ Content reflows without loss of information

→ Zoom functionality is supported

→ Consistent experience across devices

Accessible Navigation

Ensures users can easily navigate the site using various methods, including screen readers and keyboards.

→ Logical and consistent navigation structure

→ Descriptive link text

→ Breadcrumbs for orientation

→ Search functionality is accessible

→ Accessible dropdown menus

Analysis Category	Severity	Count	Change
Accessibility Issues			
Pages missing language declaration	Warning	0	+0
Missing skip links	Warning	0	+0
Insufficient color contrast	Warning	11	+0
https://hillelwayne.com/post/graph-types/	`<dfn>` Fix any of the following: Element has insufficient color		

Analysis Category	Severity	Count	Change

contrast of 1.97 (foreground color: #ffa500, background color: #ffffff, font size: 12.0pt (16px), font weight: bold). Expected contrast ratio of 4.5:1

https://hillelwayne.com/post/graph-types/	`<dfn>` *Fix any of the following: Element has insufficient color contrast of 1.97 (foreground color: #ffa500, background color: #ffffff, font size: 12.0pt (16px), font weight: bold). Expected contrast ratio of 4.5:1*		
https://hillelwayne.com/post/graph-types/	`<dfn>` *Fix any of the following: Element has insufficient color contrast of 1.97 (foreground color: #ffa500, background color: #ffffff, font size: 12.0pt (16px), font weight: bold). Expected contrast ratio of 4.5:1*		
https://hillelwayne.com/post/graph-types/	`<dfn>` *Fix any of the following: Element has insufficient color contrast of 1.97 (foreground color: #ffa500, background color: #ffffff, font size: 12.0pt (16px), font weight: bold). Expected contrast ratio of 4.5:1*		
https://hillelwayne.com/post/graph-types/	`<dfn>` *Fix any of the following: Element has insufficient color contrast of 1.97 (foreground color: #ffa500, background color: #ffffff, font size: 12.0pt (16px), font weight: bold). Expected contrast ratio of 4.5:1*		
https://hillelwayne.com/post/graph-types/	`<dfn>` *Fix any of the following: Element has insufficient color contrast of 1.97 (foreground color: #ffa500, background color: #ffffff, font size: 12.0pt (16px), font weight: bold). Expected contrast ratio of 4.5:1*		
https://hillelwayne.com/post/world-vs-machine/	`<dfn>` *Fix any of the following: Element has insufficient color contrast of 1.97 (foreground color: #ffa500, background color: #ffffff, font size: 12.0pt (16px), font weight: bold). Expected contrast ratio of 4.5:1*		
https://hillelwayne.com/post/world-vs-machine/	`<dfn>` *Fix any of the following: Element has insufficient color contrast of 1.97 (foreground color: #ffa500, background color: #ffffff, font size: 12.0pt (16px), font weight: bold). Expected contrast ratio of 4.5:1*		
https://hillelwayne.com/post/world-vs-machine/	`<dfn>` *Fix any of the following: Element has insufficient color contrast of 1.97 (foreground color: #ffa500, background*		

Analysis Category	Severity	Count	Change
	color: #ffffff, font size: 12.0pt (16px), font weight: bold). Expected contrast ratio of 4.5:1		
https://hillelwayne.com/post/graphing-tla/	`<dfn>` *Fix any of the following: Element has insufficient color contrast of 1.97 (foreground color: #ffa500, background color: #ffffff, font size: 12.0pt (16px), font weight: bold). Expected contrast ratio of 4.5:1*		
https://hillelwayne.com/post/problems-with-the-4doc-model/	`<dfn>` *Fix any of the following: Element has insufficient color contrast of 1.97 (foreground color: #ffa500, background color: #ffffff, font size: 12.0pt (16px), font weight: bold). Expected contrast ratio of 4.5:1*		
Images missing alt text	Critical	0	+0
Forms with missing labels	Critical	0	+0
Links missing text	Critical	0	+0
Invalid ARIA roles or ARIA attributes	Warning	0	+0
Missing skip links	Warning	0	+0