Nicholas Hoyt
Front-End Developer

Phone:	▭	Address:	▭
Email:	▭	LinkedIn:	https://www.linkedin.com/in/nhoyt

Software development professional with over 25 years of experience specializing in user interface development for web applications and browser extensions. Experience with modern JavaScript, HTML, CSS, web accessibility, DOM events, WebExtensions API, web components and custom element authoring.

Experience

2005-09 – present

Front-End Developer, Interaction Designer
University of Illinois Urbana-Champaign

Designed and developed the SkipTo Landmarks & Headings browser extension for Chrome and Firefox, released in June 2021. The extension enables keyboard-only users to efficiently navigate the important headings and landmarks on a web page. A complete description of the SkipTo extension with installation links is available at https://skipto.github.io.

Served as lead designer and developer for the A11yFirst Project in the creation of five accessibility-focused plugins for CKEditor. Released in 2019, the plugins proactively guide content authors as they edit, enabling them to create documents that meet WCAG accessibility requirements. More details are available on the CKEditor Addons website.

Designed and collaboratively developed the AInspector browser extension for Firefox, which performs detailed evaluations of web pages across twelve categories of WCAG and ARIA accessibility requirements. AInspector is being updated to version 2.0 with significant enhancements for release in 2022. Available for installation at the Firefox Addons website.

Served as lead designer and developer of the Accessibility Bookmarklets, web accessibility visualization tools compatible with all major browsers. Full documentation and installation instructions are available at https://accessibility-bookmarklets.org/.

1999-08 – 2005-09

Front-End Developer, Interaction Designer
Web UI, Wheaton, IL

As an independent contractor, provided software design and development services with an emphasis on interaction design and front-end development for various corporate clients, including ABN AMRO, Accenture, Allstate Insurance, DeVry University, Fidelity Investments, HOLT Value Associates and the Illinois Institute of Technology.

1997-08 – 1999-08

Front-End Developer, Interaction Designer
Fidelity Investments, Marlborough, MA

Served as lead interaction designer in the redesign of NetBenefits, a web application providing retirement savings account access to over one million customers. Improved the user experience through contextual inquiry, task flow analysis and usability testing.

Designed and developed retirement investing tools for 401k.com, Fidelity's website for institutional investors. Tools included the Contribution Calculator, Withdrawal Calculator and Take Home Pay Calculator.

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1991-07 – 1997-08	**Front-End Developer, Senior Software Engineer**
	BGS Systems, Waltham, MA
	Developed feature enhancements for the BEST/1 capacity planning and performance analysis products, using X Window / Motif on the Unix and VMS platforms. Completed the training course provided by Digital Equipment Corp. on X Window/Motif user interface development.

Education

1988-09 – 1991-06	**B.A. in Computer Science, University of Massachusetts Boston**
	Graduated with Honors, Summa Cum Laude
1987-09 – 1988-01	**Introduction to Programming, Harvard Extension School**
	Grade: A; for Undergraduate Credit
1981-09 – 1984-06	**Jazz Composition & Arranging Major, Berklee College of Music**
	Completed all course work for my major with GPA of 3.85/4.0
1967-09 – 1970-08	**Liberal Arts and Sciences, University of Illinois Urbana-Champaign**
	Primarily focused on philosophy and psychology

Skills

Front-End Development
JavaScript (ES6 and later), HTML, CSS, DOM scripting and event handling, responsive design, web components and custom element authoring, Lit, React, WebExtensions API

User Interface Design
Experience with creating wireframes and interactive prototypes, essential use cases, usability testing and accessibility evaluation

Web Accessibility
WCAG requirements, ARIA Authoring Practices, ARIA in HTML

Web Development
Git, Node.js, npm, Babel, webpack, Rollup, Gulp, XML/XSLT, Django, Python