

Matt Shih

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Highlights

- UX/UI Designer and Developer with extensive knowledge designing web pages and producing efficient, elegant, accessible code that supports multiple browsers and mobile devices.
- Work closely with clients and project managers to conduct user research, field study and gathering requirements. Determine the appropriate user workflow and interactions with the best user experience in mind.
- Build wireframes and prototypes using Balsamiq/Axure RP/Adobe XD to communicate design concepts to a broad range of end users, product owners and business analysts.
- Transform concepts into intuitive user interface prototypes using front end coding with HTML, CSS3 and JQuery across the program's applications.
- Conduct usability testing to better understand how users interact with product and to improve the product based on the results.
- Perform user acceptance testing (UAT) for the final phase to ensure the product meets all the user expectations and requirements before moving the software application to the Production environment.
- Work with developers to solve design problems and ensure that the pages adhere to WCAG 2.0 and 2.1 compliance.
- Provide user interface standards guidance to the teams at eRA NIH.

Proficiency

- HTML, CSS, SASS, and jQuery, and Bootstrap 4 libraries
- Cross browser compatibility
- Mobile and tablet devices design
- WCAG and section 508 compliance for web accessibility
- Drupal and SharePoint for content update
- Wireframe and prototype using Balsamiq/Axure/Adobe XD for web design and development
- User experience mythology and user interface design
- Adobe Creative Suites

Experience

UI/UX Designer & Developer

NIH eRA – Leidos 2013 - Present

- Conduct user research, create user workflow diagram, and usability testing for software applications across eRA's program.
- Create and update website for NIH eRA team using latest Bootstrap libraries for all eRA applications. Provide standard eRA UI guidelines for using Bootstrap components and third-party jQuery controls.
- Ensure WCAG and section 508 compliance for all eRA's web applications and components using screen readers (JAWS & NVDA), testing tools such as WAVE, and manual testing.
- Work with developers to troubleshoot issues with styles, page layout, and accessibility.
- Work closely with eRA federal administrative officers on the day-to-day operations for both application development and UI standard guide.
- Present UI/UX updates to all eRA development teams at a biweekly eRA technical forum meeting.
- Create wireframes and clickable prototype sites for presentation using Axure and Adobe XD.
- Design promotional material posters and proposal cover for eRA Scrum team and Leidos marketing team.
- Participate in the Agile development process for both NIH eRA and HRSA HDW teams.
- Produce and maintain various HRSA Data Warehouse intranet and extranet as well as support various NIH-NHLBI and HRSA Grants teams' online projects.
- Update, modify, and implement UI code while following design specifications requested.
- Provide training support and produces training materials on user experience and user interface best practices.
- Work closely with multiple project leads to define user stories for public-facing sites.
- Created custom graphics or modified existing graphics using Adobe Photoshop CC and Illustrator CC.
- Maintained and updated content of the Drupal CMS web project NIH NHLBI intranet application.

Web Designer

HRSA Data Warehouse (HDW) & NHLBI – SAIC 2011-2013

- Redesigned and created responsive web applications for HRSA Data Warehouse's intranet and extranet.

- Worked on the main HDW website and contributed to the special web projects within HRSA and Leidos.
- Demonstrated new mockups and design ideas at bi-weekly Progress Report (IPR) of the application development.
- Created design prototypes, including images, site navigation, and content layout, for the main HDW website.
- Ensured the web page layout was accessible and logical. Recommended improvements if needed.
- Created visual concepts that matched the content and images requested by the clients with HRSA's design standards in mind.
- Participated in user studies for the redesign effort for the Data Warehouse's web applications.
- Produced and designed marketing materials for Leidos.

Web Designer/Manager Department of Labor – XPAND Corporation 2000 - 2011

- Led web and interactive projects for XPAND, an IT consulting firm for integrated application development, interactive, and web technology solutions.
- Managed web development projects, from initial consultation through successful launch.
- Implemented site construction requirements and facilitated communications between the web developers and designers.
- Developed project plans, specifications, application prototypes, and wireframes.
- Created and monitored schedules, deliverables, and internal resources to deliver projects on time and on budget.
- Developed and managed departmental process and quality assurance measures.
- Managed project change orders and analyzed impacts. Participated in client meetings and provided creative ideas.
- Provided design directions to team designers and supervised team projects.
- Designed compliant websites for clients from the *Fortune 500*[®] companies to Government agencies.
- Performed cross-platform testing to ensure browser compatibility. Interacted with the company's upper management to design and maintain XPAND's website and its sister sites.

- Created and developed the company's intranet. Led a six-member team to upkeep the contents and site improvements.
- Enforced and maintained standards with the marketing department to implement website graphics.
- Provided front-end programming assistance in web-development projects.

Education

Web Design and UX Conference

An Event Apart Washington DC 2018

Professional Scrum & Agile Training & Certifications

Scrum Alliance 2017

Section 508 Compliance Training

SSB Bart Group 2013

Bachelor of Fine Arts in Graphic Design

Washington State University May 1999