

JOSH GIPPER

Product Designer & Developer

Summary

I am a curious change agent with a proven record of innovation in a range of industries. By firmly grasping core principles of design and technology we are best equipped to create positive digital experiences while meeting business and user needs. Never one to back down from a challenge, my mission is to use my skills and ambition to positively affect the world and create a sustainable zero carbon future.

Skills

- Product Design for Business Applications
- Experienced React developer, also familiar with Vue, Polymer, and Angular Frameworks
- User Experience Research and Design
- Immersive Web Applications using 360 imagery and Augmented Reality
- Industry experience in Internet of Things, Smart Cities, and Mobility
- Agile & Waterfall Project Management
- WCAG and Section 508 Accessibility
- Content Management Systems including Kentico and Umbraco

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Experience

WSP - Product Designer & Sr. Front-End Developer

Sep 2018 to Present

React, Vue, Mapbox, AMCharts, Umbraco, C#, .Net MVC, Model-Viewer, AFrame, krpano, Git, Azure DevOps

Responsible for leading the Web Services development team supporting a range of business lines. Delivered on tight deadlines while managing multiple deliverables. Developed websites for some of the country's largest infrastructure projects using SASS/Webpack build tools and .Net MVC Content Management Systems. Consistently meeting WCAG 2.1 Level AA conformance accessibility standards. Expanded practice to leverage visualization team's talent to deliver Immersive Web applications, transporting users with interactive 360 tours and Augmented Reality models. As a people manager I've been responsible for three developers and modernized our project management and development tools.

Recognized at a local and national level for my leadership including coordinating our EcoChallenge program, which was awarded the 2020 community engagement award, and various innovation initiatives, including winning the 2019 Emerging Professionals Innovation Challenge. Recently I've helped launch WSP Emerge, a startup engagement program to integrate early stage companies into WSP's business through quarterly cohorts, the first cohort accepting startups in Climate Change, Resilisency, and Sustainability.

- Developed custom dashboards for tracking construction progress and budgets.
- Developed turn-key website solution for virtual meetings supporting large infrastructure projects.
- Designed and developed immersive web applications for stakeholder engagement utilizing 360 degree imagery, Augmented Reality, GIS data, and streaming video.
- Designed and developed 360 OnSite, an application for viewing current site conditions with images taken from 360 degree cameras. Product supported a federal client and eliminated the travel and subsequent emissions of dozens of construction personnel.

Kritek - Product Designer & Sr. Front-End Developer

Jan 2016 to Aug 2018

Polymer Library, Material Design, Mapbox, Web Service Workers, Node-RED, Android, Git, Jira

Designed and developed an incident management system and IoT platform for Smart Cities and Intelligent Transportation Systems. SaaS platform included user onboarding, hardware integration, BPMN tools to orchestrate complex event responses, live vehicle and asset tracking, amongst other features. Performed user research and designed and developed the UI/UX in an Agile environment. Lead marketing efforts through research, branding, and lead generation. Participated in client and investor presentations, pitched product at national trade conferences, and moderated a panel discussion focused on mobility, technology, and innovation. Designed and developed multiple products including:

- Mobile application to manage Smart Work Zones in the field
- Connected Vehicle data dashboard supporting situational awareness
- Voice User Interface for highway incident commanders

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- Move-Over Awareness IoT application to enhance emergency responder safety
- Highway tollway messaging for ENA, the Panama tolling authority
- IoT applications for City of Westminster, CO assisting Vulnerable Road Users
- Smart Parking solution for City of Breckenridge, CO

Boomtown Accelerators - Cohort Company

February 2018 to May 2018

Participated in intensive three month startup accelerator focused on turning our IoT/Smart Cities product into a successful business. Collaborated closely with team and mentors to identify opportunities and risks, validate assumptions, and ultimately pivot our product to incorporate blockchain. Program culminated with a demo day presentation to investors.

DATA - Sr. Front-End Developer

Jul 2010 to Dec 2015

Angular, Kentico, SASS, Webpack, .Net, C#, SVN

Developed high traffic web applications for education, healthcare, nonprofit, and government clients. Transformed company's development practices through the introduction of responsive development techniques and semantic coding practices. Played a key role in delivering award winning sites for a major national nonprofit organization. Designed and developed learning management systems and responsive web applications while ensuring WCAG 2.0 Level AA conformance and Section 508 compliance.

BrandSavvy - Web Designer & Lead Developer

Sep 2006 to Jun 2010

CSS, HTML, VB, PHP, MS SQL, MySQL

Lead interface design and development while working with clients to discover and implement their digital needs and considering their branding objectives. Developed an intranet serving thousands of users for the nation's largest transit operator, created brand management websites for premiere hospital systems, and developed custom web applications for pre-surgery assessment, job recruitment, and photo management.

University of Iowa - Web Designer & Developer

Sep 2004 to Jun 2006

CSS, HTML, PHP, MySQL

Lead a team that designed, developed, and maintained award winning web sites for the University of Iowa. Our small group developed an extensive internal online project management system for a team of thirty print designers, marketers, web developers, and professionals.

Education

The University of Iowa

Aug 2002 to Jul 2006

Bachelor of Fine Arts in Graphic Design

Minor in Political Science

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