

Clayton M. Locher

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Technical Skills	JavaScript - Angular, Node.js, Express, AJAX, jQuery, Gulp	
	HTML/CSS - Sass, Responsive Design, Jade/Pug, Bootstrap	
	Other - Git, Linux, Firebase, Python (Flask, Pandas, Numpy), R, ArcGIS	
Projects	Heartland Cooking & Living	<i>January 2016 - Present</i>
	<ul style="list-style-type: none">• Designing and developing a responsive, database-driven culinary website and custom content management system using Node.js, Express, and Firebase• Optimizing data and design assets for fast database operations and page loads• Maintaining a scalable codebase and smooth development workflow using best practices with tools like Sass, Gulp, npm, and Git	
	Geography Research Web Map	<i>Spring 2016</i>
	<ul style="list-style-type: none">• Partnered with a fellow student to develop an interactive web mapping application• Utilized Node.js, Express, and MongoDB to build and consume a REST API using MVC architecture• Built a responsive front-end interface using AngularJS, Sass, and Leaflet	
Education	University of Illinois at Urbana-Champaign	<i>May 2016</i>
	Bachelor of Arts in Economics Minor in Geographic Information Science (GIS)	<i>Major GPA: 3.71/4.00</i>
Experience	Co-Founder, Chief Technology Officer	<i>July 2015 - Present</i>
	<i>Project Hart, education non-profit organization</i>	<i>Champaign, IL</i>
	<ul style="list-style-type: none">• Leading over a dozen cross-functional team members to drive donations and donor engagement by creating and improving website content, design elements, and user experience flows• Designing and developing a fully-responsive custom website using Node.js, Express, Jade/Pug templates, Sass, Bootstrap, and jQuery	
	Data Analyst	<i>May 2015 - February 2016</i>
Activities	<i>University of Illinois Extension</i>	<i>Urbana, IL</i>
	<ul style="list-style-type: none">• Created a custom Python tooling workflow for quickly generating sets of spatial data visualizations using Esri ArcGIS• Developed a data entry CRUD web application using Python (Flask) and JavaScript• Managed a variety of statewide spatial datasets using Python and Excel	
	The Urban and GIS Group	
	<i>Treasurer</i>	<i>February 2015 - May 2016</i>
	<ul style="list-style-type: none">• Collaborated with group leaders to plan technology workshops and outreach events• Presented technologies related to geospatial data and web mapping, such as Leaflet, Mapbox, CartoDB, ArcGIS, and Python	
	Pizza FM	
	<i>Radio Personality, Web Developer</i>	<i>September 2013 - December 2014</i>
	<ul style="list-style-type: none">• Hosted a weekly two-hour college radio show emphasizing new and local music• Developed a mobile website using HTML, CSS, jQuery Mobile, and a REST API	