

Bryan Witherspoon

bspoon.github.io

Bryan Witherspoon is a **web developer** with over nine years of professional experience designing, building and delivering web applications.

He develops user interfaces using the latest **web standards**, and constantly seeks new tools and techniques to improve his workflow.

He is available for part-time, contract opportunities.

Employment

[Duo Security](https://duosecurity.com) <<https://duosecurity.com>>

Senior Software Engineer

April, 2014 - present

Summary

Responsible for designing and developing administrative and user-facing application for two-factor authentication service.

Accomplishments

- Led visual redesign project of administrative interface.
- Implemented many key features of the company's flagship product.
- Wrote automated tests as necessary for new and existing features.
- Designed and built an internal "know your customer" dashboard for displaying information on latest bookings.
- Continuously improved HTML, CSS and JavaScript coding standards and product's build pipeline.
- Mentored junior employees.
- Screened and interviewed web developer candidates.

[Digital Roots](https://digitalroots.com) <<https://digitalroots.com>>

Software Engineer

June, 2013 - April, 2014

Summary

Responsible for designing and developing web-based user interfaces for social media engagement and

reporting platform.

Accomplishments

- Designed and developed abstract reporting tool used for visualizing performance metrics.
- Built a social media command center used for data exploration by social media teams.
- Built an application for tracking performance of data processing pipeline.
- Co-organized local [Ember.js meetup group](http://meetup.com/Ember-Detroit) <<http://meetup.com/Ember-Detroit>>.

[Arbor Networks](https://arbornetworks.com) <<https://arbornetworks.com>>

Software Engineer

June, 2011 - June, 2013

Summary

Responsible for designing and developing web-based user interfaces for distributed network security solutions.

Accomplishments

- Successfully launched initial version, major release, and several minor releases of network security application.
- Spoke to 85+ person engineering team on the topic of migrating from image-based graphs to SVG.
- Submitted patent application for the automatic transformation of selected text into regular expression.
- Led small to medium-sized groups in user interface design sessions.
- Participated in cross-functional user experience team.

[Loudpixel](https://loudpixel.com) <<https://loudpixel.com>>

Web Developer (contract)

April - October, 2011

Summary

Designed and developed Rails application for managing tech support issues for the [MSU College of Communication Arts & Sciences](http://cas.msu.edu/) <<http://cas.msu.edu/>>.

[Consumers Energy](https://consumersenergy.com) <<https://consumersenergy.com>>

Engineer

January, 2009 - June, 2011

Accomplishments

- Designed and developed lightweight web interface for managing electronic switchgear.
- Built and programmed a wireless interface between a [Roomba](http://www.irobot.com/us/) and an electric meter to alter cleaning schedules based on the current price of electricity.

[The State News](https://statenews.com)

Creative Director

June, 2006 - January, 2009

Accomplishments

- Successfully launched two major redesigns of the company's main websites and numerous internal web applications.
- Supported nightly production efforts by proofreading and formatting content for web.

[MSU Office for Inclusion](https://inclusion.msu.edu)

Web Developer

August, 2007 - January, 2009

Summary

Successfully launched redesign of department's website built on top of ExpressionEngine.

Proficiencies

Languages and Libraries

- JavaScript
 - Uses [jQuery](https://jquery.com) and [Backbone](https://backbonejs.org) to build user interfaces.
 - Uses [gulp](https://gulpjs.com) and [webpack](https://webpack.github.io) to assemble large projects.
 - Uses [babel](https://babeljs.io) to write JavaScript using the latest ECMAScript standards.
 - Uses [d3.js](https://d3js.org) to create awesome data visualizations.
 - Knows what all the cool kids are using these days.
- CSS
 - Uses [SASS](https://sass-lang.com) to achieve organizational zen in stylesheets.
 - Uses [PostCSS](https://github.com/postcss/postcss), particularly [autoprefixer](https://github.com/postcss/autoprefixer), to ensure styles work in older browsers.
 - Has used [Bootstrap](https://twitter.github.io/bootstrap) and [Bourbon](https://bourbon.io) in the past, but prefers to roll styles by hand for larger projects.
- Python
 - Loves using [Flask](https://flask.pocoo.org) to build web applications.

- ▶ Has rolled a few apps using [Google App Engine](https://cloud.google.com/appengine/docs/python/) as well.
 - ▶ Can hack together useful systems backed by MySQL or Redis.
- ▶ PHP
- ▶ Has used it in the past, but prefers Python these days.

Tools

- ▶ Revision Control
 - ▶ Git (and [Github](https://github.com))
 - ▶ Subversion
 - ▶ User Interface Design
 - ▶ Will reach for pen and paper first, but can do detailed mockups using Photoshop or [Sketch](http://bohemiancoding.com/sketch/).
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Education

Michigan State University

Bachelor of Science, Electrical Engineering

December, 2008

More

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[Github](http://github.com/bspoon) <http://github.com/bspoon>

[Twitter](http://twitter.com/uoodsq) <http://twitter.com/uoodsq>

[LinkedIn](http://www.linkedin.com/pub/bryan-wITHERSPON/14/470/a19/) <http://www.linkedin.com/pub/bryan-wITHERSPON/14/470/a19/>