John Gavin Buffington

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Education

Bachelor of Science in Software Engineering
Mississippi State University – Starkville, MS – May 2017 – GPA: 2.98

Experience

Mississippi State University National Strategic Planning & Analysis Research Center (NSPARC), *Starkville, MS*
Student Worker, June 2016 – Present
- Implemented the mobile-friendly, Wordpress-based website for the Mississippi Department of Child Protective Services with a fellow team member. (https://mdcps.ms.gov)
- Implemented the mobile-friendly, Wordpress-based website for Mississippi's State Early Childhood Advisory Council (SECAC) with a fellow team member. (https://secac.ms.gov)

Mississippi State University Department of Sociology, Starkville, MS
Designer and Developer, October 2015 – January 2016
- Commissioned by department head to implement the website for the Mississippi Food Insecurity Project. (http://mfip.msstate.edu)

SocialDrizzle by Nested Data, LLC, Starkville, MS
Co-Founder, September 2014 – September 2015
- SocialDrizzle (http://socialdrizzle.com) allows venues with video boards to collect, curate, and display live posts from Twitter during large events with a goal of improving fan engagement.
- Implemented and maintaining front-end of the web application, coordinating with hired developers to implement back-end and additional features.
- Currently used by 6 different universities and other institutions, having reached an audience of 60,000+ at a single event.

Innovative Data Laboratory (IDL), Mississippi State University Social Science Research Center (SSRC), Starkville, MS
Programmer – Web Designer & Developer, June 2014 – September 2015
- Designed and developed mobile-friendly website for the IDL (http://idl.ssrc.msstate.edu).
- Designed and developed mobile-friendly survey web application with Django + PostgreSQL database and skip logic to conditionally show questions. Distributed by email to students at universities for research.
- Worked with two other developers to design and implement a large-scale Meteor.js web application used by researchers for collecting and curating tobacco-related data at the statewide level.

Freelance Work
Self-Employed, Early 2012 – Present
- Designed and developed a static, mobile-friendly homepage for the law practice of Paul Millsaps, Attorney at Law, PLLC (http://pmillsapslaw.com).
- Designed and developed a static, mobile-friendly, information-based website for a commercial product used with tractor-trailers. Implemented a cost-savings calculator with JavaScript/jQuery given an ROI formula (http://smartwindtrailerskirts.com).

Mississippi State University Social Science Research Center (SSRC), Starkville, MS
Apprentice to Director of the Social Science Research Center, August 2011 - September 2013
- Produced motion graphics video on health disparities for the SSRC using Adobe After Effects (http://youtu.be/FGeRg8_5TYo).
- Designed and developed initial Starkville Healthy Hometown website.
- Designed and developed content-heavy Wordpress site for Mississippi KIDS COUNT at the Social Science Research Center (http://kidscount.ssrc.msstate.edu).

Professional Presentations

Buffington, J. (2015). Social Media Platforms and Data Accessibility. Presented at the Big Data Seminar for the Social and Policy Sciences at the Centre for Advanced Academic Studies, University of Zagreb, Dubrovnik, Croatia.

Skills

Web HTML5, CSS3, Sass, jQuery, Node.js, Django, Wordpress, Twitter Bootstrap, Mobile-First Responsive Web Design, User Interface design, User Experience and Usability, Grunt, Bower, Google Maps API
Programming Languages JavaScript, CoffeeScript, Python, PHP
Databases SQL, MySQL, PostgreSQL, MongoDB
Software and Tools Bash, Git, Sublime Text 3, Photoshop, Sketch