

# LIAM BUTTERWORTH

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## EDUCATION

### University of Alabama

Bachelor of Science Management Information Systems

Aug '07 – Dec '11  
Tuscaloosa, AL

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## EXPERIENCE

### University of Alabama - Strategic Communications

Software Engineer

Nov '15 – Jul '18  
Tuscaloosa, AL

- Collaborated with a team to develop and maintain custom Wordpress solutions for clients across campus
- Oversaw department-wide site overhaul for the Office of Research and Economic Development
- Improved accessibility compliance for University websites as part of a campus-wide initiative
- Worked on internal applications to improve project workflows including a media asset tool written in Laravel and a tool to manage branding assets written in Ruby on Rails and EmberJS

### Nine Agency

Web Developer

Jan '12 – Oct '15  
Tuscaloosa, AL

- Developed complex applications that implemented Backbone.js using Ruby on Rails as a consumable API
- Worked with designers to create clean and intuitive interfaces for client websites
- Created e-commerce sites that utilized OAuth and Amazon Web Service to process payments and host product data

### University of Alabama - Student Affairs

Web Developer

Aug '09 – Dec '11  
Tuscaloosa, AL

- Created fully responsive websites using a mobile-first approach
- Ensured cross-browser compatibility for all division websites
- Developed an admin system that was used for data reporting by department heads

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## SKILLS

- Front-End: HTML, CSS, Sass, PostCSS, JavaScript, React, Redux, jQuery, Bootstrap
- Back-end: Node, Ruby on Rails, PHP, Laravel, Wordpress, MySQL, PostgreSQL, MongoDB
- Tools: Vim, Git, SVN, Docker, Webpack, Gulp, Grunt, ESLint, Jasmine, Mocha

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## PROJECTS

### Keyboard React, Node, Webpack, Babel, ESLint

<https://liambutterworth.me/keyboard>

A project I started to familiarize myself with the finer points of React, the Web Audio API and an attempt at integrating music theory with an interactive Synthesizer

### Bassline JavaScript, PostCSS, Node, Mocha

<https://github.com/liambutterworth/postcss-bassline>

I wrote this PostCSS plugin to make managing vertical rhythm on a website much simpler by abstracting the math needed for the font-size and line-height properties

