**H U G H L O B E L**

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[hughlobel.com](http://www.hughlobel.com/)

**Professional Experience:**

**Acclaro Design.** **Denver, CO and remote from Houston, TX. May 2015** **– Present**: ● Build and maintain e-commerce, e-learning, brochure, informational sites for clients across US. ● Create WordPress themes with PHP, HTML, CSS, JS, SQL, Jquery, SCSS, Bootstrap. ● Server setup and configuration via cPanel, FPT. ● Version control and continuous integration with GIT, GITHUB, BITBUCKET, and PANTHEON. ● Coordinate copy and design with internal team using FIGMA, SKETCH, TRELLO, and SLACK. ● Resolve issues with client sites connected to plugins, themes, and platform updates. ● Communication and problem-solving with clients both remotely and on-site. ● Collaborate on large-scale projects as both lead developer and team member. ● Deploy and maintain automated backups for client sites. ● Develop interactive mockups for online learning platforms. ● Selected client list: Amplifire, Derivative Path, KEP Realty, Knowledge Benefits, Elevation Solutions.

**June 2016** **– October 2017**: **MomoTone**.Designed prototype software for the Seoul-based (previously Boulder) music tech company. Boulder, CO.

**Selected Research, and Open-Source Software Development:**

**2015** **– 2019: The Music and Sound Design Platform (MSDP).**  Open-source platform for multimedia synthesis, design, and performance. Musicsdp.com ● Lead developer, large-scale project. ● Uses Max 8 for UI, Audio and Video rendering. ● NodeJS for state management. ● Code transpilation with Babel. ● AWS Lambda for serverless function calls. ● AWS DynamoDB for NoSQL database. ● AWS S3 for file serving.

**2019– Present: replMax.** Open-source platform for live-code performances in Max 8. ● Developed with NODEJS and EXPRESS. ● Codemirror for browser-based IDE and repl development.

**2011** **– 2012: Live Music Analysis System*.*** University of Texas, Austin and Faculdade de Engenharia da Universidade do Porto, Portugal. Developed system for automatic music phrase analysis.

**Technology Experience**

**Areas of Expertise:** Front-end development, WordPress, ReactJS, Cloud Services, CMS Platforms, Education, Outreach, Public Speaking, Media Streaming, Creative Installations, Consulting

**Languages + Packages*:***ReactJS, NodeJS, MongoDB, Express, PHP, SQL, NoSQL, Gatsby, Hugo, HTML, SCSS, Arudino, Max/Max4Live, Pure Data, Supercollider, Csound, Git

**Software and Platforms*:***MERN stack, AMP stack, WordPress, Amazon Web Services, VS Code, Postman, Bash/ZSH, Trello, Slack, Selenium, Browser Stack, Notion, Adobe Suite

**Selected University Teaching in Web and Multimedia Software Development**

***University of Colorado, Boulder,* Department of Critical Media Practices**

**CMDP 3510-002 –** Creative Web Portfolio Development, Spring & Fall 2018 - 20

**CMDP 4870-001 –** Multimedia Programming in Max, Fall 2018

**Education**

***University of Colorado, Boulder.*** Doctorate of Musical Arts, Composition – May 2015

***University of Texas, Austin –*** Masters of Music, Composition – May 2011

***University of Houston –*** Bachelors of Music, Composition, Magna cum Laude – May 2009

**References available upon request**