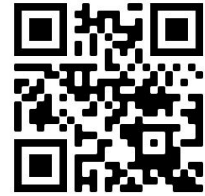


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### Professional Experience:

**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](http://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, Arduino, Max/M4Live, 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