Hugh Lobel

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Professional Experience:

Acclaro Design. Denver, CO and remote from Houston, TX. May 2015-Present: https://acclarodesign.com
- Develop and deploy e-commerce, e-learning, brochure, and informational websites for clients across the US.
- Improve organic traffic and bounce-rates with SEO, page speed improvements, and conversion campaigns.
- Build WordPress themes with PHP, HTML, CSS, JS, SQL, Jquery, SCSS, Bootstrap.
- Develop interactive mockups that were continuously integrated into a live e-learning platform, increasing the scope and functionality of their services.
- Version control and continuous integration with GIT, GITHUB, BITBUCKET, and PANTHEON.
- Coordinate copy and design with the 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.

Momotone. Boulder, CO. June 2016-October 2017:
- Realized the company's pre-seed funded development goals by building a prototype software system capable of demonstrating their commercial vision for the product.
- Built with PD, Arduino, and Arduino IDE.

University of Colorado, Boulder. August 2011-June 2020:
- Taught Music Technology, Web Development, and Music courses for the Department of Critical Media Practices, the School of Music, and the Graduate School.
- Updated the Sound Practices curriculum for DCMP, overseeing a spike in student interest that doubled the number of classes offered.
- Collaborated with administration and student bodies to coordinate events, host guest residencies, and conferences.

Selected Research, and Open-Source Software Development:

The Music and Sound Design Platform (MSDP). 2015-2019: https://msdp.app
- Developed and distributed a large-scale open-source multimedia performance platform.
- Created and organically grew a global community with users in 153 different countries.
- Max 8 for UI, audio and video rendering. NodeJS for state management. Code transpilation with Babel.
- AWS Lambda for serverless function calls, DynamoDB for NoSQL database, S3 for file serving.

Live Music Analysis System. University of Texas, Austin 2011-2012:
- Built an Automatic Phrase Analysis System of live musical performances that was integrated into a real-time improvisatory co-performer AI system. System was presented at SEAMUS 2012 and accepted at ICMC 2012.
- Collaboration between the University of Texas, Austin and the Faculdade de Engenharia da Universidade do Porto, Portugal.

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

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