DAVID LYONS

3D Artist, Interaction Designer and WebVR Developer based in Los Angeles

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EXPERIENCE

WITHIN, Los Angeles, CA, November 2015 - August 2018
WebVR Developer
Software engineer on spherical video webplayer (with.in), gallery (vr.with.in) and Under Neon Lights (with.in/neon).
Added WebVR support for VR headsets and controllers.
Implemented 3D user interface elements and text rendering in Three.js for WebVR.
Created, loaded and assembled 2D and 3D assets into Three.js scenes.
Tested and debugged with all major VR devices (Oculus Rift, Vive, Windows MR, Oculus Go, GearVR, Daydream)
in all supported WebVR browsers (Chrome, Firefox, Edge, Oculus Browser).
Research and development for interactive prototypes and Three.js WebVR experiments.

Slingshot, Dallas, TX, March 2013 - November 2015
Front End Web Developer
Front end development on the 2014 Borden Dairy website.
Used downtime for research and side projects involving 3D modeling, digital sculpting, virtual reality, gestural input
and hand tracking with Leap Motion and 3D printing.
Assisted with video editing occasionally.
Worked on clients including Texas Motor Speedway, Sabre Airline Solutions, Dallas Symphony Orchestra, Legacy
Texas Bank, Associa and American Home Shield.

The Richards Group / Click Here Labs, Dallas, TX, March 2012 - March 2013
Front End Web Developer
Lead front end developer on Chuck E. Cheese's website redesign and ongoing maintenance.
Ensured deliverables were bug free across supported browsers through strict quality control process.
Worked closely with teams of project managers, creatives, back-end developers and QC.
Experimented with Three.js and WebGL: realtime interactive 3D graphics in-browser without plugins.
Worked on clients including Central Market, Corner Bakery, Advance Auto Parts, T.G.I. Friday's,
TXU Energy, The Home Depot, Go RVing and Summer's Eve.

Epic Web, Dallas, TX, April 2011 - March 2012
Web Designer and Front End Web Developer
Designed websites and logos in Photoshop and Illustrator.
Coded original, custom Joomla templates and customized premade Joomla templates.
Installed, configured and customized Joomla extensions such as shopping carts, calendars,
photo galleries, contact forms, interactive maps, forums, job boards and social networks.
Implemented front end components with basic Javascript.
Trained clients on how to add and edit website content.

EDUCATION

Texas A&M University, College Station, TX, Fall 2007 - Fall 2010
Bachelor of Science in Visualization, December 2010

The University of Texas at Dallas, Dallas, TX, Spring 2010
Studied motion capture, modeling, and texturing in the Arts and Technology
department for a semester away.

SOFTWARE

Maya, ZBrush, Photoshop, Illustrator, Premiere
Three.js, Javascript, HTML, SCSS, jQuery, Bootstrap, Git, Grunt, Jekyll
WebVR API, Gamepad API, Web Audio API

SKILLS

High and Low Poly Modeling	Interaction Design
Organic and Hard Surface	Virtual Reality
Digital Sculpting	Front End Web Development
Retopology	Video Editing
UV Layout	3D Printing
Texturing	