

Daniel W. Lu

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Hello!	Daniel is an multi-talented engineer who specializes in web-software, electronic hardware, and holds interests in music creation & production.
Skills	<p><u>Website & Software Development</u> Magento, Wordpress, SquareSpace, JavaScript, Node.js, Tesseract OCR,, D3.js, Github, test-driven development, Amazon Web Services, unit testing, Photoshop, Lightroom, RAW non-destructive editing, UI, and UX. Interests in OpenCV, RTC, Web MIDI, WebDriver.</p> <p><u>Music Production</u> Analog and digital synthesizer operation, audio routing, effect and mastering, MIDI controllers, low-latency audio transport, CoolEdit / Adobe Audition, GarageBand. Interests in Ableton Live and current AU & VST software plug-ins.</p> <p><u>Electronic Repair</u> Point-to-point, through-hole and SMD soldering, vacuum tube circuitry, firmware upgrades (in-circuit, JTAG, EEPROM), digital multimeter, oscilloscope, Ohm's law, electrical safety, ability to read circuit diagrams and perform component level troubleshooting and repair.</p>
Experience	<p>Interest-Based Self-Learning. Independent; Los Angeles, CA – 2016-Present Interest-based, self-motivated learning and experimentations. Software, hardware, and music.</p> <p>QA Engineer, Ace Metrix; El Segundo, CA – 2014-2016 Figuring out my way around a sophisticated, large-scale customer-facing SaaS application, run into bugs and dissect them (so our customers don't have to). Implemented customized browser-side and server-side testing automation.</p> <p>Web Designer, Independent, South Pasadena, CA – 2000-2013 Provides initial consultation, design, deployment, and maintenance of media-rich web sites.</p> <p>Lead Technician, Starbase Net Computer; South Pasadena, CA – 1999-2013 Provides on-location and remote computer support, system hardware & software troubleshooting and repair, malware removal, networking and equipment deployment. Designed test procedure to duplicate client-side issues, and documented the issue with cause, symptom, and solution. Perform training and knowledge transfer for new employees.</p>
Education	<p>Dev Bootcamp; Chicago, IL — Web Development Apprentice, 2013-2014 Pasadena City College, Pasadena, CA — Computer & Electrical Engineering, 2001-2013</p>
Extra!	<p>Bilingual: English, Chinese (Mandarin) Interests in digital signal processing (DSP) and amateur radio</p>