

# Harpo!

Programmer  
Musician  
Artist

Ryan "Harpo" Harbert

Sacramento, CA

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[quaternion.media](http://quaternion.media)

[github.com/mrharpo](https://github.com/mrharpo)

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## Skills

Full stack developer, experienced with Python, JavaScript, HTML, CSS, C++, Bash, and others. Linux administrator, knowledgeable about web development, circuit design, microprocessors, control systems, signal processing, and realtime analysis.

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## Experience

### Quaternion Media / Owner

DEC 2016 - PRESENT, SACRAMENTO, CA

- Self-owned and operated technology development company. Created and maintained full stack websites for clients, including API and database design. Managed and monitored production servers.
- Designed interactive/reactive special effects for theatrical productions, including sound activated lighting, synchronized video projections, automated sound mixing, custom LED effects, animations, etc.
- Developed, implemented and maintained circuitry for control systems, optimized microcontroller code to reduce performance bottlenecks.
- Installed hardware for projects, including networks, audio systems, projectors, LEDs, etc.
- Designed solid prototypes for clients, as well as 3D printed, and iterated development.

### dell'Arte Productions / Owner

JAN 2011 - PRESENT, SACRAMENTO, CA

- Full service media company for video, audio, photo, theatre, and print work. Productions include commercials, documentaries, albums, music videos, motion graphics, live events, and short films.
- Operated all stages of production from conception, to filming and editing, through post-production, mixing, mastering, and delivery.
- Performed with a wide range of musical groups on various instruments, across many genres, including tours locally and internationally.

### Arcade CreekProperties / Factotum

DEC 2008 - DEC 2010, SACRAMENTO, CA

- Purchased foreclosed homes at public auctions. Implemented and operated central communication hub between team members, coordinated fast changing information between field workers and supervisors, advised purchasing decisions.
- Created networked database to manage 40,000+ houses for sale and track updates over time, including pictures.
- Designed and oversaw development of replacement app with web portal, including automatic updating from web scraper.

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## Education

Sacramento State University / B.A. Communications (Digital Video)

AUG 2004 - JUN 2009, SACRAMENTO, CA