PATRICK STEADMAN

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EXPERIENCE

Computer Lab   *Co-Founder and Full Stack Engineer*
New York, NY   2016-Present
Computer Lab helps organizations in the cultural creative sector execute ambitious digital projects. Since co-founding the company in 2016, I have:

- led teams building and supporting multimedia platforms for institutions like the **Whitney Museum of American Art**, **The Shed**, and **Artforum**
- scaled web services for creative tool startups like **GIPHY**, **Colourlab** (ML-assisted color grading), and **VIDVOX** (search engine for shaders)
- developed core functionality for streaming platforms like **iHeartRadio** and **Oda** in the lead-up to highly publicized product launches
- built interactive 3D WebGL installations for artists and organizations like **Madeline Hollander**, **Amalia Ulman**, **BMW**, and **Frieze**
- defined best practices for creative organization based on broad experience with clients in other industries including **The Dedham Group** (healthcare), **SingleSprout** (recruiting), and **For Days** (e-commerce).

Moat   *Software Engineering Intern*
New York, NY   Summer 2014
I developed a perceptual hashing system for video de-duplication and similarity queries, a key component of Moat's ad search engine later acquired by Oracle.

Priceline   *Software Development Intern*, Summer 2013
IMAX   *Marketing Intern*, Summer 2012

Eastman Machine Company   *Translator / Liaison*
Buffalo, NY and Ningbo, China   2010 - 2011
I worked on-site at Eastman's factory in China to facilitate the first run of production and sales of a new line of fully automated textile cutting machines.

EDUCATION

Cornell University, Ithaca, NY   2011-2015
Bachelor of Science, Information Science, GPA: 3.5
Won Eastern Sprints medal competing on the varsity heavyweight rowing team.

Ming Lun High School, Taipei, Taiwan   2009-2010
Williamsville North High School, Buffalo, NY   2006-2009

SKILLS

Programming Languages (and frameworks) in order of proficiency: JavaScript (React, React Native, TypeScript, Redux, NextJS). Python (Django, DRF, Flask, Pandas). Golang (Echo). PHP, C#, Java, C++, Bash, GLSL, Ruby.

DevOps Tools: Docker. AWS ECS, Beanstalk, RDS, Glacier, etc. GCP App Engine. Elastic stack. Various CI/CD. Terraform. Nginx, HAProxy. SQL, NoSQL.

Graphics, Audio, and More: ThreeJS, WebGL, and React-Three-Fiber. FFmpeg. D3.js. GlumPy, matplotlib. Archival tools. Mandarin Chinese. Accounting.

PROJECTS

Open Source: Creator of `hexo-theme-corporate` and React WebGL starters, contributor to Django and WordPress plugins, Docker documentation.

Volunteer SAT Tutoring: My students improved by an average of 260 points.