

Ellen Lo

creative coding + physical computing + web development

ellenlowing.com / ellenlowing@gmail.com / [GitHub](#) / [LinkedIn](#) / [Instagram](#) / +1 857-204-8638

EDUCATION

Boston University, Boston, MA 2015 - 19
Bachelor of Science in Computer Engineering

EXPERIENCE

R&D Engineer, The New York Times, New York, NY Jul '20 - Present
Augmented reality game prototyping and development with Spark AR Studio.
Shattered Crosswords was featured on [The Verge](#)!

Creative Technologist, HYPNO, New York, NY Jun '19 - Jul '20
RFID scanner development in Node.js with Raspberry Pi, and integration with iOS app and Canon Camera API for [Color Factory](#) and Britney Spears' The Zone.
Computer vision-based, motion-triggered camera app development with TouchDesigner for Museum of Ice Cream.

Visiting Designer, Maryland Institute College of Art, Baltimore, MD Feb '20
Led a three-day code-based design workshop that introduces p5.js as a design tool for first year MFA graphic design students.

Programmer Intern, pill & pillow, Hong Kong Jun - Aug '17
Experience design prototyping for Webby-winning website [Very Hong Kong](#) [Very Hong Kong](#).

SKILLS

Code	C / C++ / Javascript / PHP / Python / Objective-C
Hardware	Arduino / Raspberry Pi / ESP32
Web	HTML / CSS / Node.js / React / p5.js / Three.js / Wordpress
Creative	openFrameworks / Processing / TouchDesigner / Spark AR / Unity / OpenCV
Spoken	English / Mandarin / Cantonese / Japanese

PROJECTS

Axis Mundi [code](#) / [site](#)
Experimental exhibition website that explores man's attempt to override nature with technology and nature's resistance, developed with HTML, CSS, and p5.js. Featured on [klikkenthéke](#)!

Lost Code [code](#) / [site](#)
Interactive website for graphic design project that explores the friction in translation, developed with Paper.js and explicit depth sorting of DOM elements. Featured on [It's Nice That](#)!

Acid Rain [video](#)
Audio-reactive visual effects programming with TouchDesigner for Virgin Vacation's music video.

The David Prize [site](#)
PHP development and custom Wordpress CMS integration for The David Prize, an annual \$1M prize that celebrates five outstanding New Yorkers.

Motion [code](#) / [video](#)
Kinetic sculpture that experiments with the concept of using discrete units to control continuous surface, built with Arduino and servo motors.

Fluid [video](#)
Interactive installation that captures fluid's motion from a microscopic to macroscopic level, built with programmable LED, LiDAR, and TouchDesigner.