

Useful learning resources

Books

- HTML & CSS

- **HTML & CSS Book** - A book aimed at designers introducing concepts within web development

- JavaScript

- **JavaScript: The Good Parts** by Douglas Crockford

- p5.js

- **Make: Getting Started with p5.js: Making Interactive Graphics in JavaScript and Processing**

- Processing

- Learning Processing by Daniel Shiffman
- Nature of Code by Daniel Shiffman

Websites

- JavaScript

- **JavaScript Syntax Basics** - This is a great cheatsheet for understanding the basics of the JavaScript language/syntax. A lot of concepts here are also applicable knowledge in a variety of other programming languages.
- **Khan Academy Programming courses** - Free online video courses with interactive code editor
- **Lynda.com - Foundations of Programming Fundamentals**
- **Learn JS** - Introduces some basics of JavaScript using an interactive browser-based prompt
- **Praxent** - Resource roundup with helpful articles on beginner coding. (Thank you Emma!)

- P5.js

- Daniel Shiffman has a vast collection of videos introducing programming using p5.js. Take a look through these videos if you are interested in getting a head start:
<https://vimeo.com/channels/learningp5js>
- Kadenze is an online platform for creative education. You can take structured courses with plenty of video based content and exercises. Here is an Introduction to Programming for the Visual Arts with P5:
<https://www.kadenze.com/courses/introduction-to-programming-for-the-visual-arts-with-p5-js/info>

- Programming Design Systems / Printing Code

- A course that intersects graphic design and programming run by Rune Madsen at ITP in New York: <http://printingcode.runemadsen.com/>
- [Video] Printing Code: Programming and the Visual Arts, Rune Madsen
<https://vimeo.com/61113159>
- Soon to be an online book with tutorials: <https://programmingdesignsystems.com/>

- HTML & CSS

- <https://www.codecademy.com/learn/learn-html-css>

- Open CV

- <https://vimeo.com/69907695>

- Code

1. <https://github.com/atduskgreg/opencv-processing>
2. <https://github.com/shiffman/Face-It>

- Topics

- Face detection
- Which Face
- Edge detection
- Pattern matching
- Background Subtraction

- Data Vis

- **Tableau**

- **Raw**
- **Timeline**
- **Open Graph Commons**
- **Exhibit**

Videos

- **The Coding Train**

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