##### Prerequisite [keybr](https://www.keybr.com/) Goal Speed is 60

[Introduction to Computer Science - Harvard's CS50](https://www.youtube.com/playlist?list=PLWKjhJtqVAbmGw5fN5BQlwuug-8bDmabi) (1-5)

[MDN](https://developer.mozilla.org/en-US/docs/Web/JavaScript)

Code academy’s [Introduction to JavaScript](https://www.codecademy.com/learn/introduction-to-javascript)

Strongly Recommended: Gordon Zhu’s [Watch and Code](https://watchandcode.com/) up to and including “Interlude - Data types and comparisons” + First four chapters of [Eloquent JavaScript](http://eloquentjavascript.net/) ([Read-Along](https://www.youtube.com/playlist?list=PLdhl9urj_8zboHrfA0k0GLIFASyP0vgjf)) ([Voice](https://www.youtube.com/playlist?list=PLeih6Atn-p_kz9BCPZyA3bo75PkB1Xo_J)) +Codewars: Practice Problems: [Collection: Easy](https://www.codewars.com/collections/easy-6) +[Collection: Medium](https://www.codewars.com/collections/medium-1)

[Grasshopper](https://learn.grasshopper.app/)

##### Structure

[The Odin Project](https://www.theodinproject.com/tracks/full-stack-javascript)

[Freecodecamp.org/learn/](https://www.freecodecamp.org/learn/)

[The Complete Web Developer in 2020: Zero to Mastery](https://www.udemy.com/course/the-complete-web-developer-zero-to-mastery/)

[The Web Developer Bootcamp](https://www.udemy.com/course/the-web-developer-bootcamp/) 2020

[Free Software Engineering Bootcamp - #100Devs](https://www.youtube.com/playlist?list=PLBf-QcbaigsKwq3k2YEBQS17xUwfOA3O3)

[The Coding Nomad](https://app.milanote.com/publish-preview/1Hdwhe1GsYO56q)

[MDN-Front-end web developer](https://developer.mozilla.org/en-US/docs/Learn/Front-end_web_developer#the_learning_pathway)

Data Structure and Algorithm

[Algorithms | Computer science | Computing](https://www.khanacademy.org/computing/computer-science/algorithms)

[Data Structures - Computer Science Course for Beginners](https://www.youtube.com/watch?v=zg9ih6SVACc)

[MIT 6.006 Introduction to Algorithms](https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-006-introduction-to-algorithms-fall-2011/) & [MIT 6.006 Introduction to Algorithms, Fall 2011](https://www.youtube.com/playlist?list=PLUl4u3cNGP61Oq3tWYp6V_F-5jb5L2iHb)

[Algorithms, Part I](https://www.coursera.org/learn/algorithms-part1/home/welcome) & [Algorithms, Part Il](https://www.coursera.org/programs/online-learning-from-your-dol-new-york-city-6jrvh?currentTab=MY_COURSES&productId=fEHS45vFEeaF3g7NeAQepg&productType=course&showMiniModal=true)

[JavaScript (JS) Algorithms and Data Structures Masterclass](https://www.udemy.com/course/js-algorithms-and-data-structures-masterclass/)

##### Projects

[tuvtran/project-based-learning: Curated list of project-based tutorials](https://github.com/tuvtran/project-based-learning)

[Advanced React & GraphQL](https://advancedreact.com/)

[JavaScript 30](https://courses.wesbos.com/account)

[Programing Project Ideas Get You Hired](https://www.youtube.com/watch?v=DEKxwH5hGfo)

##### Problems

[Codewars](https://www.codewars.com/)

[LeetCode](https://leetcode.com/)

[HackerRank](https://www.hackerrank.com/interview/interview-preparation-kit)

[Ranking Interview Questions by Cram Score](https://jeremyaguilon.me/blog/ranking_interview_questions_by_cram_score)

[New Year Gift - Curated List of Top 75 LeetCode Questions to Save Your Time](https://www.teamblind.com/post/New-Year-Gift---Curated-List-of-Top-75-LeetCode-Questions-to-Save-Your-Time-OaM1orEU)

[jwasham/coding-interview-university](https://github.com/jwasham/coding-interview-university)

[Grokking](https://www.educative.io/courses/grokking-the-coding-interview)

Book

[You Don't Know JS](https://github.com/getify/You-Dont-Know-JS/blob/1st-ed/README.md)

[The Modern JavaScript Tutorial](https://javascript.info/)

[How to Design Programs](http://htdp.org/2003-09-26/)

[Cracking the Coding Interview](https://magody.github.io/PDF/Cracking-the-Coding-Interview-6th-Edition-189-Programming-Questions-and-Solutions.pdf)

[The JavaScript Way](https://github.com/thejsway/thejsway)

[HTML and CSS: Design and Build Websites](https://wtf.tw/ref/duckett.pdf) 15

[A Smarter Way to Learn to JS](https://wccftech.com/wp-content/uploads/2014/10/JavaScript.pdf) 22

Post Extra:

[The Missing Semester of Your CS Education (MIT course)](https://www.reddit.com/r/learnprogramming/comments/eyagda/the_missing_semester_of_your_cs_education_mit/)

<https://github.com/ossu/computer-science>