

freecodecamp.org/learn/javascript-algorithms-and-data-structures/#functional-programming

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• Use Higher-Order Functions map, filter, or reduce to Solve a Complex Problem
• Sort an Array Alphabetically using the sort Method
• Return a Sorted Array Without Changing the Original Array
• Split a String into an Array Using the split Method
• Combine an Array into a String Using the join Method
• Apply Functional Programming to Convert Strings to URL Slugs
• Use the every Method to Check that Every Element in an Array Meets a Criteria
• Use the some Method to Check that Any Elements in an Array Meet a Criteria
• Introduction to Currying and Partial Application

Intermediate Algorithm Scripting

Now that you know the basics of algorithmic thinking, along with OOP and Functional Programming, test your skills with the Intermediate Algorithm Scripting challenges.

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JavaScript Algorithms and Data Structures Projects

This is it – time to put your new JavaScript skills to work. These projects are similar to the algorithm scripting challenges you've done before – just much more difficult.

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• Roman Numeral Converter
• Caesars Cipher
• Telephone Number Validator
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Recommended curriculum (still in beta):

freecodecamp.org/learn/.../introduction-to-currying-and-partial-application

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