

*****PLEASE SCROLL DOWN TO PAGE 2 FOR A DETAILED PICTURE OF THE CHART I WANT TO RE-PRODUCE*****

I am looking to hire an experienced JavaScript developer to help me reproduce a specific chart. I believe the best chart library for the job would be D3.js.

I have pasted the chart in question on page 2 of this PDF. It shows the genealogy of programming languages dating back to Fortran in the 1950s. Since I come from a non-programming background, I normally would have laid this chart out by hand using vectors in Adobe Illustrator. This has the drawback of not allowing me latitude to add new data points in the family tree without manually adjusting the dimensions of everything. Another drawback is that I can't include interactive content.

I have a cursory knowledge of JavaScript and the DOM. I would like this to be project where I can get a useful deliverable, and also look over the shoulder of an experienced developer to see how it was created.

I believe the chart could be reproduced in D3.js, but I am unsure which chart class would be the best to use, and how to go about assembling the nuts and bolts to get the product what I want. I will need your expertise on both of those fronts.

I have several iterations in mind for this chart. As a first step, however, I would like to render the chart "as is" right now.

Later on, I would like to add things like:

- Be able to add event driven programming. For example, mouse-over for a popup box with annotations
- Check boxes to filter certain data points (highlight all the "curly bracket languages" on the family tree etc)
- Color coding
- Change the style of the arrows and overall chart to be visually attractive
- Adding more languages to the tree; be able to adjust the scaling and arrows automatically if I provide their direct "ancestors" and direct "descendants"

