Why is it hard to learn programming?

Programming, as any new thing that we learn, demands effort, an open mind, and to not be afraid of developing a new mindset, such new mindset always comes with learning anything that makes us develop new skills and ways to work with what we have. Examples of some activities that require such things are: learning how to play an instrument or learning the basics of algebra, all of these can come to be seen as difficult in the beginning if you are not open to learning new things, if you don’t practice or if you don’t make an effort to learn, thankfully one of the examples is not difficult at all having the open mind than any child has when he/she is taught algebra, but I could think of a hundred more examples of other subjects that are seen as very difficult just because people need to practice to get good at them, or because of the requirement to develop new ways to think or to act, the beauty of learning anything is getting beyond that point of mind-numbness and mystery surrounding the subject of learning and finally understand and apply newly acquired wisdom.

I will not lie, programming to me at first was quite difficult (I´m not an expert programmer but I have some experience with C language), as I mentioned, it was a completely new thing to me, I had not an open mind about it back then, thinking like a programmer was definitely a complete pain and watching out for all the details and not to commit a single mistake just got me frozen sometimes, so because of that most of the time I hadn’t a single clue about what to do during class or in the assignments (C language has some “other” details to watch out for which make it sometimes a nuisance, such details are thankfully not something to worry Python which is why I wish my teacher back then had begun teaching me programming in Python). Anyway my teacher was great explaining so after some time putting an effort to it I got the idea, but still, I understood the theory but I was missing the most important part of programming, that is applying everything in order to solve problems, so that part was the great challenge, learning how to think like a programmer, thinking every single detail sequentially, logically, making everything fit, but unlike math or physics problems, programming problems require to think logically and fit into all of your reasoning into a sequential pattern that gives results.

So acquiring this new way of thinking was the most difficult thing to me but at the same time the most satisfactory thing to learn, learning this new thing just boosts your problem solving ability, but of course that came after lots of coding programs to solve a bunch of problems, and now after all that I can say that I love programming, It’s a tough love I would say.

So in conclusion, the problem is not that programming is a very difficult thing, the problem is that: 1.-Many of us are lazy but don’t realize that once you learn programming it can be very helpful to lazy people (I’m really looking forward to creating programs that reinforce my laziness) 2.-We are impatient; us humans tend to wish for rapid results with little or no effort, learning programming and just about everything doesn’t happen that way. 3.- We are not used to think sequentially, and that really is the difficult part.