

## Deliverable D11 Item 8 – Pablo Narváez Sierra

This report describes my goals after finishing the career, the companies that I would like to work for, their technologies and their projects, and the steps required to achieve those goals.

First of all, I have two possible ways that I would like to go after finishing the career. The first and main one is education, and the second is software development.

In the field of education, I would like to be a pioneer in introducing computer science as a subject in high schools, with different levels of learning designed for each grade. These levels would include things like learning basic programming languages or basic web design, as well as an introduction to computer architecture and history of computers and informatics.

The education program in our country doesn't take those matters in count, and I think we have come to a new era in which people has to learn basics in how computers work and how to run a basic webpage, be it for self-advertisement for a little or medium commerce or a blog for artists; as well as teens that will study engineering or pure sciences, who will have to deal with programming languages in their career and their future work. Also, it would help to drop the stigma that the computer science has around it of being just for nerds.

There are no technologies that the schools/high schools are using to teach computer science in their classrooms that I'm aware of right now, besides some excel learning or punctual using of the language "Logo" which is clearly insufficient. The language "Logo" may be a proper introduction to kids of 10 years, and it may help them understand how to give orders to a computer (which is good to improve their computational thinking, but I will leave that for now) but not enough for teenagers of 16-18 years old that will have to face situations where giving orders to a turtle is not what they need.

To achieve this goal, I must finish my career and complete a master's in education, which would help me understand and learn the basics of teaching and the education system. I'm also considering being a teacher for some years to actually evaluate the state of the education in this area in first person, which I would also like to do, because I have a great vocation of becoming a teacher. To become a teacher, I have to pass the exams, which also take, at least, a year. After that, a doctorate could be necessary to gain the last points I need to complete my formation. Finally, I would like to start writing books on how important is to introduce computer science in high schools and how to introduce it properly. I would join or make a team to do this, as I think more people would make a wider vision of the context and clearer solutions.

On the other side, if the main goal is too greedy or I can't find enough income to achieve it, being a programmer or a software designer would be a great choice for me. I like to design code from requirements and develop software from scratch. This could be a medium stage in the progress of the main goal, but I wouldn't be bothered if I had to work as a programmer for a long time.

There are plenty of little companies that work developing new software for companies around Seville, as well as some other bigger companies. I don't know what projects they are up to, but I am willing to work in anything that involves coding.

For what we have been told in this subject, these companies usually work with the Spring environment, like we do during the semester. This is all I know, but I am eager to learn whatever new technologies I must to get involved with the company that would hire me.

Working in Spain would be nice, but I know things are growing harder for young people here, even more when it comes to finding a job, so I'm aware that I could have to move to another country to get a job. This wouldn't be a problem, as my level of English is high enough to communicate with other English speakers, but this is only a solution for companies that work in this language, so I hope this language is enough even if I'm forced to travel to other countries like France or Germany.

To achieve this goal, firstly I must finish my career, but this time the career would be enough to find a job. After finishing the career and doing the business practices, I would try to get a job in the company for which I did the practices, as I would already have experience in their technology and their working method, and I would already know the project in which they command me to work in.

If this company doesn't hire me, my aim would be to find a temporary job, so I can sustain myself until one of these two things happens: I get a job in my field (software development) or I can afford the master's in education.

Although I have my objectives clear enough, it's hard to tell what the future will bring. Sometimes one has to improvise and keep their goals a bit away to focus on other steps, and sometimes one has to re-evaluate their priorities. No decision is final until it is already done, and being flexible is good if things don't go as planned. I am open to work in temporary jobs or move to another town or country if needed, so I can finally achieve my goals in the end.

One final note to the teachers: I am open to suggestions and job offers, be it for working as a teacher or for a company. You are actually teachers, so whatever advice you can give me about this profession is welcome with open arms.