Pablo Esquerdo

Software Development | Data Science

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Summary

https://anintelligentfool.github.io

I'm graduate in Software Engineering. I'm focused on developing software with languages such as C# and the .NET framework or signal processing with Matlab and currently, self-learning to make my way into the Data Science/Machine Learning world. I enjoy solving problems that take me out of my comfort zone and I am very ambitious, always wanting to improve on my job and getting professional knowledge. Also, I strive to keep updated on the latest technologies and always open to learning new programming languages or technologies. I'm a person with a lot of energy and motivation, with a quick capacity to learn and adapt to everything. My final degree thesis involved developing a speech recognition system.

Work experience

- **Software Developer BDO January 2019 – Present (Eindhoven)**

  - Development and customization of a web page.
  - ASP.NET using MVC pattern for the back-end.
  - TypeScript, React and JavaScript for the front-end.
  - Microsoft SQL Server.
  - Using SCRUM as an agile development methodology.
  - Using Git as a code review and Nuget as a continuous Integration processes.

- **Software Developer G2Speech March 2018 – December 2018 (Eindhoven)**

  - Development of improvements of a desktop application based on the client expectations.
  - Adding functionality to an existing application.
  - C# and .NET on Microsoft Visual Studio 2017.
  - Microsoft SQL Server.
  - Using a MVVM pattern for the different layers.
  - Experience with development practices like SOLID, TDD and Unit Testing.
  - Working with WPF and XAML.
  - Using SCRUM as an agile development methodology.
  - Using Git as a code review and Nuget as a continuous Integration processes
  - Using LINQ framework.
  - Using Resharper extension for code analysis and refactoring.

- **Salesman in Carrefour's electronic sector Jun 2016 - Aug 2016 (Spain)**

- o Learn all the characteristics of the different products.
- o Explain the costumer the characteristics of products in an understandable, simplified way.
- o Try to help the customer decide on the best option for each specific customer.
- o Developing good communication and sales skills.

Keywords / Skill set

- **Programming:** Advanced programming in C# and .NET with Microsoft Visual Studio, working with agile methodology such as Scrum and using a MVC pattern with ASP.Net. Using git as a code review and Resharper .NET extension for code analysis and refactoring purposes. TypeScript, JavaScript and React as a front-end tool. Advanced knowledge of Matlab and Python for data/signal processing.

- **Signal Processing & IT System Engineering:** Very skilled in digital processing and processing system engineering due to a degree that was mainly focused on those fields.

- **Maths:** Very skilled in maths due to working experience with the software Matlab and due to completing a degree whereby maths and physics played an important role.

Academic Qualifications

2012-2017. **Bachelor degree as a Software Engineer**. Alicante's University (Alicante-Spain)

- **Final degree project:** Research and development of a speech recognition system in Matlab using characteristics of the glottal pulse. Design a complete speech recognition system catching every glottal pulse and separating it from background noise, calculating the average of all stimuli and analyzing in temporal domain and spectral domain. With the obtained results, determine the optimal threshold so as to ultimately obtain a program with an effectiveness of 80%. .

2014. Introduction to Linux (course offered by LinuxFoundationX)

2019. Machine Learning A-Z: Hands-On Python & R in Data Science (course offered by Udemy)

2019. Data Analysis with Pandas and Python (course offered by Udemy)

2019. Deep Learning A-Z: Hands-On Artificial Neural Networks (course offered by Udemy)

2019. IBM Data Science Professional Certificate (offered by Coursera)

Other relevant information

- **English.** Full professional proficiency.
- **Dutch.** Basic knowledge and attending a Dutch course 4 hours a week since I am looking to stay in the Netherlands long-term.
- **Spanish.** Native language.
- **Catalan.** Native language.
- Holding a European Driving license.

Linkedin: **https://www.linkedin.com/in/pablo-esquerdo-roig-482bba12b/**