SergioGarcíaPrado

junior data { engineer, scientist }

social

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summary

Hi! My name is Sergio and now I'm enrolled in Bachelor's Degree in **Statistics** at University of Valladolid, Spain. The reason is because during my Bachelor's Degree in **Computer Engineering** the mathematical curiosity arose me. For this, I think the merge of my previous engineering knowledge combined with my future scientific learning will enrich me to raise and solve complex problems. In following paragraphs I will describe my professional profile.

During my first years of coding I've learned `Java` at University, and `Android` on my own, then I developed **EvaluaMe** app. After that, I started to be curious about web development (I really like `TypeScript`, especially when is boosted with `Angular`). Also, I've worked with `PHP` and `WordPress` during my internship at **Brooktec**, but I prefer not to work with those technologies anymore.

In the writing area, I've started to use LaTeX as a clean way to submit class assignments at University, but it has become one of my passions. Another of my favourite ways to communicate things (especially when code is involved) is `Jupyter Notebook`.

During my Computer's Engineering Degree last year I focused my work on numerical computation, statistical methods, machine learning algorithms and graph problems. Mostly using `Python` and libraries like `NumPy`, `Pandas`, `NetworkX`, etc. Also, in my final degree project of Computer Engineering, I've started an open source project called **TFGraph** which consist of a graph library on top of `TensorFlow`. To learn more about packaging and library distribution I've developed **ng-katex**, an Angular module distributed over `npm` that allows you to visualize TeX math expressions on browsers boosted by `KaTeX`.

Due to my data passion, I want to focus my future work on statistical computation, that is everything related with the research and implementation of new techniques to process, analyze and predict data. For this reason, I've learned `R` language and libraries like `tidyverse`, `data.table`, etc. Currently, I'm involved in learning amazing things related with probability theory, inference techniques, classification methods, multivariate analysis, etc.

In previous paragraphs I've explained my background and favorite technologies that I love to use. Bellow, I'll show you some of my skills in more abstract way:

- High Performance Algorithms
- Data Structures
- Parallel Programming
- Statistical Computation
- Data Visualization
- Machine Learning Techniques
- Graph Theory
- Academic Writting
- Research Work
- Code Standards (OOP - Docs - Tests)
- Agile Methodologies
- Version Control Systems (VCS)

As you've seen I want to work in positions related with Machine Learning, Big Data and Data Analysis. If you're offering for a related job don't hesitate to contact me. In the following pages you can visualize my background in a more classical way.

work

2018–present	UVa	**Research Assistant**	University of Valladolid, Spain
		Internship	
2016	missing	**Full Stack Developer**	Brooktec
		Internship (4 months)	

projects

2017–present	missing	**ng-katex**	Angular
		TEX math expressions processing on browsers boosted by KaTeX	
2017	missing	**TFGraph**	Python
		Graph networks processing on GPUs	
2015–2016	missing	**EvaluaMe**	Android
		Tracker app for your school marks	

publications

| 2017 | missing | **Algorithms for Big Data: Graphs and PageRank** | University of Valladolid, Spain |
| | | Final Degree Project | |

education

2017–present	missing	**Statistics**	University of Valladolid, Spain
		Bachelor's Degree	
2013–2017	missing	**Computer Engineering, mention in Computation**	University of Valladolid, Spain
		Bachelor's Degree	
2011–2013	missing	**Social Sciences**	IES Alonso Berruguete, Spain
		High School	

academic remarks

2017	missing	**Parallel Computing**	University of Valladolid, Spain
		Score: 9.9/10.0 with Honors	
	missing	**Operation Research Models**	University of Valladolid, Spain
		Score: 9.5/10.0 with Honors	
	missing	**Data Mining**	University of Valladolid, Spain
		Score: 9.0/10.0	
	missing	**Machine Learning Techniques**	University of Valladolid, Spain
		Score: 9.0/10.0	

2016	missing	**Codes and Cryptography** Score: 10.0/10.0 with Honors	University of Valladolid, Spain
	missing	**Algorithms and Computing** Score: 9.5/10.0 with Honors	University of Valladolid, Spain
	missing	**Web Services and Systems** Score: 9.0/10.0	University of Valladolid, Spain
2015	missing	**Operating Systems Structures** Score: 9.5/10.0 with Honors	University of Valladolid, Spain
2014	missing	**Fundamentals of Computer Networks** Score: 9.0/10.0	University of Valladolid, Spain

courses

2017	missing	**Scratch Monitor** 12 hours	FUNGE UVa
2016	missing	**SG Academy** 20 hours	SolidGear
2014	missing	**Plastic SCM (Software Control Manager)** 8 hours	Codice Software

interests

professional: computing problems, data analysis, algorithms, machine learning, design patterns, web design, software design, internet of things

personal: motor sports, rap and classic music, turntablism, cooking, technology