SergioGarcíaPrado

junior data { engineer, scientist }

social

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summary

Hi! My name is Sergio and currently 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 reason, 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` at my home, 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` in during my internship at **Brooktec**, but I prefer not to work with those technologies anymore.

In the writting area, I've started to use $\LaTeX$ as a way to submit class assigments in a cleaner way, but it has become in one of my passions. Right now is the primary method I used to comunicate important things, but not the only one. Another of my favorite ways (especially when code is involved) is `Jupyter Notebook`, like I will explain bellow.

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, for 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`.

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)

work

2016	**Full Stack Developer** Internship (4 months)	Brooktec

projects

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

publications

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

education

2017–present	**Bachelor's Degree** of Statistics	University of Valladolid, Spain
2013–2017	**Bachelor's Degree** of Computer Engineering	University of Valladolid, Spain
	Specialized in Computation	
2010–2012	**High School** of Social Sciences	IES Alonso Berruguete, Spain

academic remarks

2017	**Parallel Computing**	University of Valladolid, Spain
	Score: 9.9/10.0 with Honors	
	Operation Research Models	University of Valladolid, Spain
	Score: 9.5/10.0 with Honors	
	Data Mining	University of Valladolid, Spain
	Score: 9.0/10.0	
	Machine Learning Techniques	University of Valladolid, Spain
	Score: 9.0/10.0	
2016	**Codes and Cryptography**	University of Valladolid, Spain
	Score: 10.0/10.0 with Honors	
	Algorithms and Computing	University of Valladolid, Spain
	Score: 9.5/10.0 with Honors	
	Web Services and Systems	University of Valladolid, Spain
	Score: 9.0/10.0	
2015	**Operating Systems Structures**	University of Valladolid, Spain
	Score: 9.5/10.0 with Honors	
2014	**Fundamentals of Computer Networks**	University of Valladolid, Spain
	Score: 9.0/10.0	

courses

2017	**Scratch Monitor** 12 hours	FUNGE UVa
2016	**SG Academy** 20 hours	SolidGear
2014	**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