SergioGarcíaPrado

Software Engineering | Statistics | RPA | Combinatorial Optimization

social

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summary

Hi everyone! I'm a double Bachelor's degree graduate in **Computer Engineering** and in **Statistics** from the University of Valladolid, in Spain. I love to solve complex algorithmic problems, especially those related with **Combinatorial Optimization**. Also, I enjoy applying Mathematical and Statistical approaches to develop amazing solutions. Lately, I'm specially curious about **Sequential Models**, **Architectural Patterns** and the **Rust Programming Language**. One of my biggest hobbies is **Competitive Programming**, which I try to practice as much as possible.

work

2018/06 – present	**Software Engineer** current **Software Engineer Intern** 3 months	Unlimiteck Company Builder
2018/03 – 2018/08	**Research Assistant Intern** 6 months	University of Valladolid
2016/06 – 2016/08	**Software Engineer Intern** 3 months	Brooktec

projects

2020	**Helpacket** Open source and collaborative platform against COVID-19	Django + Vue.js
2019 – present	**jinete** High Performance solving suite for the Pickup and Delivery Problem and its related extensions	Python
2017 – present	**ng-katex** T$_E$X math expressions processing on browsers boosted by KaTeX	Angular
2017	**TFGraph** Graph networks processing on GPUs	Python
2015 – 2016	**EvaluaMe** Tracker app for your school marks	Android

education

2017 – 2020	**Statistics** Bachelor's Degree, 7.925/10.0	University of Valladolid
2019	**Statistics** Erasmus+, 28/30	Università di Bologna
2013 – 2017	**Computer Engineering, mention in Computation** Bachelor's Degree, 7.885/10.0	University of Valladolid
2011 – 2013	**Social Sciences** High School	IES Alonso Berruguete

publications

2020	**Scalable solving methods for the Dial-a-Ride Problem** Final Degree Project	University of Valladolid
2017	**Algorithms for Big Data: Graphs and PageRank** Final Degree Project	University of Valladolid

contests

2020	**Biweekly Contest 39** 199 / 6047 (3.3% top)	LeeCode
	Biweekly Contest 37 99 / 8250 (1.2% top)	LeeCode
2019	**Tuenti Challenge 9** 61st position	Tuenti
	HashCode 20th of Spain and 801th of the world	Google
2018	**HashCode** 1th of Hub and 30th of Spain	Google
2017	**T3chFest** 17th position	UC3M

academic remarks

2019	**Statistical Models and Applications** Score: 28/30	Università di Bologna
	Advanced Survival Analysis Score: 28/30	Università di Bologna
	Categorical Data Analysis Score: 9.0/10.0	University of Valladolid

2018	**Statistical Computing**	University of Valladolid
	Score: 9.0/10.0	
2017	**Parallel Computing**	University of Valladolid
	Score: 9.9/10.0 with Honors	
	Operation Research Models	University of Valladolid
	Score: 9.5/10.0 with Honors	
	Data Mining	University of Valladolid
	Score: 9.0/10.0	
	Machine Learning Techniques	University of Valladolid
	Score: 9.0/10.0	
2016	**Codes and Cryptography**	University of Valladolid
	Score: 10.0/10.0 with Honors	
	Algorithms and Computing	University of Valladolid
	Score: 9.5/10.0 with Honors	
	Web Services and Systems	University of Valladolid
	Score: 9.0/10.0	
2015	**Operating Systems Structures**	University of Valladolid
	Score: 9.5/10.0 with Honors	
2014	**Fundamentals of Computer Networks**	University of Valladolid
	Score: 9.0/10.0	

courses

2018	**Language Proficiency - Python**	HackerRank
	115 coding challenges	
	Search and Use of Scientific Information	BUVa
	25 hours	
2017	**Scratch Monitor**	FUNGE UVa
	12 hours	
2016	**SG Academy**	SolidGear
	20 hours	
2014	**Plastic SCM (Software Control Manager)**	Codice Software
	8 hours	

languages

Spanish
Native Fluency

English
B2 Level (Erasmus+ OLS certificate)

Italian
Elementary proficiency

interests

professional: competitive programming, data analysis, algorithms, machine learning, design patterns, web design, software design, internet of things

personal: motor sports, rap and instrumental music (especially lo-fi beats), turntablism, cooking, biking, technology