

Sergio Castillo Lara • Software Engineer

✉ s.cast.lara@gmail.com
🔗 github.com/scastlara
in linkedin.com/sergiocastillolar
📍 Barcelona, Spain

Back end developer with proven experience in both academia and industry, proficient in several technologies such as Python, Django, Perl, R, and others.

Skills

Programming languages	Python, Javascript, R, Perl
Frameworks	FastAPI, Django, Django Rest Framework
Other	Kubernetes, CI/CD, PostgreSQL, Redis, AWS, Test Driven Development

Work Experience

Software Engineer • Elements • Barcelona, Spain	Apr 2020 - Present
<ul style="list-style-type: none">• Developed a highly available application to automatically accept/reject prospective customers, manage and configure customer acceptance policies, detect fraudulent markers, and assess credit risk.• Implemented microservices for exposing several telecommunication systems through RESTful APIs.• Defined quality guidelines for the Backend team, and led a project for creating standardized templates for our applications.	
Bioinformatician • Computational Genomics Lab, UB • Barcelona, Spain	Jul 2014 - Apr 2020
<ul style="list-style-type: none">• Developed Django and Flask web applications to integrate and visualize predictions and other heterogeneous biological data from multiple data sources.• Set up and managed multiple databases using Neo4j and MySQL.• Used tools such as pandas, R programming language, ggplot2, R caret, etc. to analyze biological data.• Trained and applied machine-learning models to predict gene regulatory networks and protein-protein interactions.• Assistant teacher of Algorithms and Computational Genomics.	

Education

MSc. Bioinformatics for Health Sciences • Universitat Pompeu Fabra	2015 - 2017
BSc. Biology • Universitat de Barcelona	2010 - 2015

Publications

See Google Scholar Profile