

# João Costa

Software Engineer

+351 91 215 5937  
jopc557@gmail.com  
www.joaocosta.eu  
www.github.com/JD557/  
www.linkedin.com/in/jd557  
Born 27<sup>th</sup> Feb. 1991

## Interests

Artificial Intelligence      Data Engineering      Functional Programming  
Distributed/Parallel Computation      Computer Graphics      Computer Vision

## Experience

### Professional

- 2021 – ... **Senior Software Engineer**, *Zalando*, Berlin, (Senior since 2023).  
Worked fashion creator/influencer premises, such as outfit recommendations and live stream shows. Mostly in Scala+Akka and TypeScript.
- 2018 – 2021 **Software Engineer**, *Velocidi*, Porto.  
Worked on AdTech related applications, namely Velocidi's private CDP. Mostly in Scala+Akka.
- 2014 – 2018 **Software Engineer**, *ShiftForward*, Porto, (Acquired by Velocidi).  
Worked on AdTech related applications such as an inventory forecasting engine and a private CDP. Mostly in Scala+Akka.
- 2013–2014 **Computer Networks Student Assistant**, *FEUP*, Porto.  
2013 **Artificial Intelligence Student Assistant**, *FEUP*, Porto.

### Other

- 2012–2014 **Member**, *NIAEFEUP*, Porto.  
2012–2013 **Program Organizer**, *ENEI 2013*, Porto.

### Languages and Tools

<b>Proficient</b>	Java	Javascript	Scala	
<b>Comfortable</b>	Akka	Elasticsearch	HTML+CSS	Kubernetes
	Node.js	Python	Ruby	TypeScript
<b>Rusty</b>	C	OpenCV	OpenGL	PHP
	PostgreSQL			
<b>Worked With</b>	Airflow	Haskell	PureScript	Rust
	Spark	Weka		

## Talks

- 2019 **Property Based Tests in Scala**, Velocidi Tech Talks.  
2016 **An Introduction to Chip-8/Octo**, Pixels Camp Lightning Talk.  
2016 **RayMarching**, ShiftForward Tech Talks.

## Publications

- 2015 **oAdaBoost: An AdaBoost variant for Ordinal Classification**, *Costa, João and Cardoso, Jaime S.*, ICPRAM, (Best Student Paper Award in Theory and Methods).
- 2014 **Ensemble Methods on Ordinal Data Classification**, *Costa, João; Sousa, Ricardo and Cardoso, Jaime S.*, FEUP, (Master Thesis).

## Education

2009–2014 **Master in Informatics and Computing Engineering**, *Faculdade de Engenharia da Universidade do Porto*, 17/20.

Relevant Courses	Grades	Relevant Courses	Grades
Operational Research	19/20	Computer Graphics	19/20
Logical Programming	17/20	Graphical App. Lab.	18/20
Artificial Intelligence	15/20	Virtual & Aug. Reality	15/20
Agents & Distrib. Art. Intelligence	16/20	Computer Vision	18/20
Knowledge Ext. & M. Learning	19/20	Parallel Computing	15/20

### Extra Courses

- 2014 **Functional Programming Principles in Scala**, *Coursera*, 100%.
- 2013 **Learning From Data**, *edX*.
- 2013 **Quantum Mechanics and Quantum Computation**, *edX*, 96%.
- 2011 **Introduction to Artificial Intelligence**, *Udacity*, 83.9%.