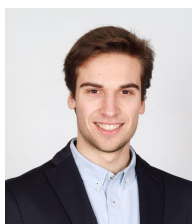



## PERSONAL INFORMATION

## José Aleixo Cruz



 Porto (Portugal)

 (+351) 932329912

 josealeixo.pc@gmail.com

Sex Male | Date of birth 01/07/1996 | Nationality Portuguese

## WORK EXPERIENCE

10/2016–Present

## Junior Developer

JuniFEUP, Porto (Portugal)

- full-stack Web and Android developer.

06/2018–09/2018

## DevOps Intern

ComplyAdvantage, London (United Kingdom)

- system infrastructure maintenance (AWS);
- service monitoring, deployment and debugging (Docker, ElasticStack);
- CI/CD pipeline maintenance and improvement (GitLab, Packer, Salt, Ansible, Spinnaker, SonarQube).

## EDUCATION AND TRAINING

09/2014–Present

## BSc + MSc in Software Engineering and Computer Science

EQF level 7

Faculty of Engineering of the University of Porto, Porto (Portugal)

- proficient in several pure object-oriented languages (C++, C#, Java);
- experienced in Web development languages (HTML, CSS, PHP, JavaScript) and frameworks (ASP.NET, Laravel, Express.js, Vue.js, Angular.js, Bootstrap);
- adept in Python and Bash;
- skilled in Android applications development;
- versed in computer network systems and operating systems (Unix based);
- proficient in Prolog and SQL-based languages (mainly PostgreSQL and MySQL);
- versed in AI algorithms and concepts;
- skilled in Software Engineering and Architecture.

## PERSONAL SKILLS

Mother tongue(s)

Portuguese

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C2
German	A1	A1	A1	A1	A1
German Certification - Initiation II (University of Aveiro)					

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

**Digital skills** - expert in Git and versed in popular IDEs (IntelliJ, Visual Studio, Eclipse).

## ADDITIONAL INFORMATION

### Projects

#### Out of University

- FEUP Career Fair 2017 Android application: co-developer.
  - Tools: Android Studio, Java.
- Mozilla PDF.js (open source): former contributor.

#### In University

##### Artificial Intelligence:

- Elaboration and implementation of an optimized meta-heuristic for the Travelling Salesman Problem (with paper being published and presented in the upcoming IDEAL 2018 conference).
  - Tools: Java.
- Implementation of a neural network capable of predicting bankruptcy based on financial data.
  - Tools: Encog, Weka.
- Development of a computer version of the board game Small Star Empires with AI players.
  - Tools: Prolog.
- Implementation of agents capable of completing cooperative levels in the Geometry Friends game in C#.
- Creation of a chat bot for retailers capable of understanding text and learning from interactions.
  - Tools: Microsoft Bot Framework, Microsoft LUIS.

##### Web Development:

- Creation of a Q&A website with functions similar to Stack Overflow.
  - Tools: Bootstrap, PHP, PostgreSQL, Smarty.
- Development of a social network website directed to entrepreneurs with social impact.
  - Tools: Express.js, Vue.js, MariaDB, Docker, Nightwatch.js, Selenium, GitLab-CI.
- Integrating an ERP software with a custom API and dashboard.
  - Tools: ASP.NET, Entity Framework, Angular.js.

##### Network Systems:

- Design and development of a Java application that allowed a client and a server to communicate within a LAN and save files using P2P architecture.
  - Tools: JavaEE.
- Implementation of a data link layer application to transmit information between two computers connected to the same LAN.

##### Computer Graphics:

- Creation of a computer version of the Yavalath board game.
  - Tools: OpenGL, Prolog, JavaScript.
- Development of a Virtual Reality pedestrian "cockpit" with the objective of facilitating transport-related research.
  - Tools: Unity, C#, Python.