

# Pietro Battilana

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## EDUCATION

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- **University of Bologna** Bologna, Italy  
*Master of Science in Computer Science; 110/110 cum laude GPA:4.00* *Sep. 2016 – Oct. 2018*
  - **Thesis:** “Convolutional Neural Networks for Image Style Transfer”
- **University of Ferrara** Ferrara, Italy  
*Bachelor Degree in Computer Science; 107/110 GPA: 3.86* *Sep. 2013 – July. 2016*
  - **Thesis:** “Document elaborations via XML based tools”
- **“J.M. Keynes” High School** Castle Maggiore, Italy  
*Scientific and Computer Science (PNI) Curricula* *Aug. 2008 – July. 2013*

## PUBLICATIONS

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- **Automatic Point-of-Interest Image Cropping via Ensembled Convolutionalization:** Asperti Andrea, Battilana Pietro. International Journal of Neural Networks and Advanced Applications (ISSN: 2313-0563; [Volume 5, 2018](#)).

## WORK EXPERIENCE

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- **Gruppo Unipol** Bologna, Italy  
*Data Scientist* *Oct. 2019 - present*
- **T3 Lab** Bologna, Italy  
*Software Engineer* *Dec. 2018 - Oct. 2019*
  - **Junior Researcher in Embeddeed Systems:** C/C++ applications development; testing and deployment in an ARM-based asymmetric multicore system (Freescale i.MX6SoloX). Usage and configuration of a custom-made (built with Yocto) Linux distribution.
- **Di. Tech S.p.A.** Bologna, Italy  
*Software Developer Intern* *Nov. 2015 - Apr. 2016*
  - **XML-based layouting:** Written XML (XSL-FO) layout pages converting plaintext messages from the web-EDI (Euritmo) format to PDF documents.
  - **Software engineering and testing:** Developement a C# .NET scheduled task compressing log files. Testing of a Node.js - Angular.js web application.

## COMPUTER SCIENCE SKILLS

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- **Languages:** Assembly MIPS, Bash, C, C++, CSS, C#, Erlang, Go, HTML, Haskell, Java, Javascript, Jolie, Kotlin, LaTeX, Lua, MATLAB, ML, OCaml, Octave, PHP, Pascal, Prolog, Python, Ruby, Rust, SQL, Scala, VB.NET, Wolfram Language, XML, XML-FO, XPath, XSLT
- **Technologies:** ANTLR, Adobe XD, Android, AngularJS, Apache Tomcat, Arduino, Balsamiq, Blender, Bootstrap, CUDA, Camunda, Express.js, Flask, Google Cloud Platform, Hibernate, IBM DB2, JBoss/WildFly, Jekyll, Keras, Microsoft SQL Server, MongoDB, MySQL, Neo4j, Node.js, OpenGL, Oracle 11g, PyTorch, Raspberry Pi, Spark, Tensorflow, Three.js, jQuery

## TRANSVERSAL SKILLS

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- **Foreign Languages:** Italian: native speaker. English: proficient user. Spanish: conversational level.
- Since 2013 member of the *Associazione Italiana Arbitri* (AIA) as an **official soccer referee** in FIGC championships. This activity taught me how to **handle a wide array of personalities and behaviours in high-stress environments**.

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