

# 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* *Sep. 2016 – Oct. 2018*
  - **Thesis:** “Convolutional Neural Networks for Image Style Transfer”
- **University of Ferrara** Ferrara, Italy  
*Bachelor Degree in Computer Science; 107/110* *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*

## EXPERIENCE

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- **Di. Tech S.p.A.** Bologna, Italy  
*Software Engineer Intern* *Nov. 2015 – Apr. 2016*
  - **Reports layout:** Created several XML (XSL-FO) layouts converting plaintext web-EDI (Euritmo) encoded messages into human-readable PDF documents.
  - **Software engineering:** Developed a C# Windows scheduled task compressing log files.
  - **Software testing:** Tested functionalities of a fullstack Javascript (Node.js - Angular) webapp.

## 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).

## PROGRAMMING SKILLS

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- **Languages:** Scala, Python, HTML, Javascript, CSS, PHP, XML, C, C++, C#, SQL, Java, Rust, Wolfram Language, MATLAB
- **Technologies:** GCP, Node.js, Neo4j, Bootstrap, jQuery, ANTLR, Keras, Tensorflow, PyTorch, CUDA, Blender, OpenGL, Camunda, Arduino, Raspberry Pi, Adobe XD, IBM DB2, Microsoft SQL Server

## TRANSVERSAL SKILLS

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

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