Pietro Battilana

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EDUCATION

- **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*

PUBBLICATIONS

- **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).

EXPERIENCE

- **T3 Lab** — Bologna, Italy
  Software Engineer — *Dec. 2018 - present*
  - ○ **Junior Researcher in Embedeed Systems**: C/C++ applications development and custom-made (Yocto) Linux distribution configuration. Test and deploy in an ARM-based heterogeneous multicore system (Freescale i.MX6SoloX).

- **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

- **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

- **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**.

- Proactive, open-minded and able to **teamwork** in a goal-oriented approach in order to meet deadlines.

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