

# Andrea Lazzarotto

DIGITAL FORENSICS CONSULTANT, SOFTWARE DEVELOPER

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## Education

- LANGUAGES Italian (mother tongue), English (advanced), Danish (beginner)
- 2010 – 2016 CA' FOSCARI UNIVERSITY — VENICE, IT  
Master's Degree in Computer Science — Grade: 110/110 *cum laude*  
Bachelor's Degree in Computer Science — Grade: 110/110 *cum laude*
- SPRING 2015 EINDHOVEN UNIVERSITY OF TECHNOLOGY — EINDHOVEN, NL  
Erasmus+ Exchange Student
- SPRING 2013 TECHNICAL UNIVERSITY OF DENMARK — LYNGBY, DK  
Erasmus Exchange Student
- 2005 – 2010 ITIS ENRICO FERMI — BASSANO DEL GRAPPA, IT  
Industrial IT Expert Diploma — Grade: 100/100

## Qualifications

- SECURITY & FORENSICS
- Recovered the browsing history from a hard disk after 12 years and 1 disk format
  - Analyzed and exploited the websites of major television networks for allowing downloads — including Rai Replay, Video Mediaset, La7, RSI and BBC iPlayer
  - Presented an algorithm for reconstructing the directory tree in a file system with damaged metadata
  - Developed RecuperaBit, a **Python** software performing forensic NTFS reconstruction
- SOFTWARE & SCRIPTING
- Produced various scripts for the archival of hypertexts and videos from web sites
  - Developed document cataloguing approaches based on **metadata extraction** and **OCR**
  - Applied conversion techniques for text-based file formats while preserving semantics
  - Engineered a shop management application using **Java** and **Swing**
  - Analyzed Last.fm data with **Python** and reported it in **HTML**
  - Co-authored a novel data visualization approach for spatial data with **Sage**
- WEB DEVELOPMENT
- Developed a note sharing website with **PHP** and **MySQL**
  - Used **Javascript** and **Jquery** for the animation of an **X3D** based video game
- MOBILE APPS
- Developed native Android apps YouFlame and APPointment in **Java**
  - Developed cross-platform app Yumans with **PhoneGap** and **Cordova**
  - Designed each of their UI

## Work Experience

- 2015 – NOW LAZZAROTTO ANDREA — SOFTWARE DEVELOPER AND IT CONSULTANT
- Data recovery from damaged hard drives
  - Forensic duplication and analysis of storage devices
  - Digital preservation
  - Customized software
  - IT consultancy for businesses
- SUMMER 2009 FILEPOINT SRL — INTERNSHIP
- Designed and implemented various web templates with **HTML**, **CSS** and **Javascript**
  - Worked on editing and retouching for the graphical assets of a client website
- SUMMER 2008 DEIMOS SRL — INTERNSHIP
- Installed and configured a **Ubuntu Linux** server for running the **MySQL** software
  - Used **PHP** to test different DBMS interfacing methods, including **ODBC**

## Volunteer Work

- 2011 – NOW GRAPPALUG ASSOCIATION — FOUNDING MEMBER, GRAPHIC DESIGNER, EVENT ORGANIZER
- 2008 – 2016 «118... COMPITI» SERVICE — MIDDLE AND HIGH SCHOOL HOMEWORK HELPER