

Ester d'Amico

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Professional profile

Skills ranging from biomedical electronics and medical informatics to physiological signal processing in particular ECG, respiratory signal and sleep stages analysis developed during my Master thesis.

Excellent ability to work under pressure and interpersonal relationship management improved by working side by side with engineers, neurosurgeons and nurses.

Good teamwork, organisation and planning skills gained during hostess activity and academic projects in high school and college;

Work experience

- **Feb 2018 – on going:** internship at Politecnico di Milano, working on EDEN2020 EU project in particular dealing with the evaluation of the reliability of Raman spectroscopy as an intra-operative tool for the identification and classification of brain tumors.
- **2010 – 2017:** Private teaching lessons for high school students in Mathematics, Physics and Chemistry field and promoter and hostess activities at congresses, fashion shows, exhibitions.

Education

- **2014 – 2017:** MSc in Biomedical Engineering, Technologies for electronics specialization at **Politecnico di Milano**.
 - Thesis: “Multivariate analysis of physiological variables for the assessment of drug administration during sleep”.
- **2010 – 2014:** BSc in Biomedical Engineering at **Alma Mater Studiorum, Campus di Cesena**.
 - Thesis: “Utilizzo della stimolazione elettrica per la terapia antalgica nei pazienti oncologici” published by Edizioni Accademiche Italiane in August 2014.
- **2005 – 2010:** Secondary School, **Liceo Scientifico “Cecchia Rispoli”**, San Severo (FG).

Academic projects

- Atrial fibrillation analysis in ECG signals and spatiotemporal QRST cancellation;
- Breast cancer search in Twitters, by using Bluemix platform, Metamap and UML tools;
- Measurement of abdominal expansion and respiratory rate by using a resistive band;
- UML modeling and database implementation for home-monitoring of chronic asthma.

Computer skills and competences

- Operating systems: Windows;
- Software: Office package (Word, Excel, Access, Power Point);
- Programming languages: C, MatLab, SQL, R (medium level); C++, Java (basic level).

Languages

Italian: mother tongue;

English: good writing, reading and speaking proficiencies.

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