

Luisa PIERSANTI

Curriculum Vitae

Education

September 2019 - Present **Master's Degree in Computer Science - *Intelligent and Mobile Computing***,
Università degli Studi di Perugia, Perugia, Italy.

September 2015 - April 2019 **Bachelor's Degree in Computer Science**, *Università degli Studi di Perugia*, Perugia, Italy,
Degree date: 16 April 2019
Thesis title: "Classificazione Automatica della Complessità Linguistica per la Valutazione della Competenza in Lingua Straniera"
Supervisor: Prof. Alfredo MILANI, *University of Perugia*
Co-supervisors: Prof. Stefania SPINA, *University for Foreigners of Perugia*, Dr. Valentino SANTUCCI, *University for Foreigners of Perugia*
Abstract: The aim of the thesis is to use NLP techniques in order to develop a web tool, using the large dataset of the University for Foreigners of Perugia, to classify the complexity of texts according to the Common European Framework of Reference for Languages (CEFR) descriptors and scales
Final Grade: 110/110 *cum laude*.

2010 - 2015 **High School Diploma**, *Scientific High School "Galileo Galilei"*, Perugia, Final Grade: 83/100.

Working Experience

September 2018 **Internship at CMA company**, *C.M.A. S.a.s, Foligno, Italy*, Training period of one month at the Data Centre of the company CMA, specialised in construction industry. The experience consisted in statistical data analysis to find trends in sales information.

June 2018 **Internship at Umbra Cuscinetti company**, at *Umbra Cuscinetti S.p.A, Foligno, Italy*, The experience consisted in creating and managing a PostgreSQL database and an interface developed in HTML5, PHP, Javascript to make the database available to all the members of the administrative board.

Professional Skills and Competences

Operating Systems	GNU/Linux Ubuntu, Windows, Unix	Programming Languages	Python, C, C++, Java, SQL, HTML5, CSS, JavaScript, PHP, Maple
Office Productivity	MS Office, LibreOffice, OpenOffice, L ^A T _E X, ParaView		

Language Skills

May 2018 **English Proficiency Certification - CEFR level C1**, equivalent to 7.5 band in the IELTS test.

May 2010 **French: DELF Diplôme d'Etudes de Langue Française (Niveau A1)**, at *Alliance Française de Foligno*, Final Grade: 82,00/100.

Extracurricular activities

April 2020 **Participation into the Virtual Hackaton "Empower Community during & after COVID-19" organised by Hong Kong Baptist University, Perugia, Italy.**

January 2020 **Organizer and tutor of the Python programming course "pyBootCamp", at Università degli Studi di Perugia, Italy.**

October 2019 **Tutor of the event "Amarematica". Helping elementary, middle and high school students in solving problems using Python and AppInventor, at Università degli Studi di Perugia, Italy.**

June 2019 **Tutor of the VIII Exchange Programme between Department of Computer Science Hong Kong Baptist University and Department of Mathematics and Computer Science University of Perugia, at Università degli Studi di Perugia, Italy.**

March 2019 **Participation into the Workshop "Bitcoin: conosciamoli meglio" organised by CINI (Cyber Security National Lab UniPg Node), at Sala dei Notari, Perugia, Italy.**

June 2018 **Tutor of the VII Exchange Programme between Department of Computer Science Hong Kong Baptist University and Department of Mathematics and Computer Science University of Perugia, at Università degli Studi di Perugia, Italy.**

May 2018 **Participation into the Workshop "Numerical Analysis" held by Professor Dimitrios Noutsos from University of Ioannina, at Università degli Studi di Perugia.**

- September 2017 **Assistance in the organisation of the event held on the occasion of the 45th anniversary of Umbra Cuscinetti company**, at *Umbra Cuscinetti S.p.A, Foligno, Italy*.
- June 2017 **Tutor of the VI Exchange Programme between Department of Computer Science Hong Kong Baptist University and Department of Mathematics and Computer Science University of Perugia**, at *Università degli Studi di Perugia, Italy*.
- September 2016 **Participation into the Workshop on Using Maple in Solving Mathematical Problems**, at *Università degli Studi di Perugia*, The purpose of the workshop was to introduce methods available in Maple to solve nontrivial mathematical problems. Given by Professor Valeriu Anisiu from Universitatea "Babeş-Bolyai" Cluj-Napoca (Romania).

Publications

3. X. Shen, L. Piersanti and P. Piersanti. Numerical simulations for the dynamics of flexural shells. Accepted, DOI: 10.1177/1081286519891230.
2. A. Milani and S. Spina and V. Santucci and L. Piersanti and M. Simonetti and G. Biondi. Text Classification for Italian Proficiency Evaluation. Accepted, DOI: 10.1007/978-3-030-24289-3_61.
1. L. Forti and A. Milani and L. Piersanti and F. Santarelli and V. Santucci and S. Spina. Measuring Text Complexity for Italian as a Second Language Learning Purposes. *Proceedings of the Fourteenth Workshop on Innovative Use of NLP for Building Educational Applications.*, 360–368, 2019.

IT Projects

- 2018 **ESharing**, Group project for University of Perugia, BSc course: *Distributed Systems*.
Development of Web Service for car sharing that makes use of cURL calls and REST APIs to modify the database of the application.
- 2018 **ESharing App**, Project for University of Perugia, BSc course: *Computer Programming III*.
The project is a continuation of the "Distributed System" project. Two Android applications were designed: one for clients and one for vendors. Both the apps interact through the Web Service for car sharing
- 2018 **Network for PowerUp**, Group project for University of Perugia, BSc course: *Computer Networks: Protocols*.
Design and configuration of a company network whose goal is to interconnect all the devices of the company.

- 2018 **Modern Living Room**, *Project for University of Perugia, BSc course: Virtual Reality.*
Design of 3D modern living room using Blender.
- 2018 **Color Changing UI**, *Project for University of Perugia, BSc course: Multimedia Systems.*
The project consists in color changing user interface implemented in JavaScript, HTML5, CSS3, Canvas and SVG.
- 2017 **Bumblebee**, *Group project for University of Perugia, BSc course: Software Engineering.*
Android App for gesture recognition based on accelerometer sensor, developed in Java using the open source library wigee.
- 2016 **My Book Library**, *Project for University of Perugia, BSc course: Programming I.*
The purpose of this project was to create and manage lists of books available in a book library. Developed completely in C.

F.to Luisa Piersanti