GIUSEPPE BRUNO

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SUMMARY

I recently graduated in Computer Engineering from "Sapienza" of Rome (in Latina) with a final grade of 106/110. During my studies, I worked on some projects, which I will explain in more detail later, where I used the following programming languages:
HTML, CSS, JavaScript, PHP, SQL, C, C++, Java.

EDUCATION

Bachelor Degree in Computer(Information) Engineering 106/110   2018–2024

University of Rome "La Sapienza" in Latina (LT) – Italy
Faculty of Information Engineering, Computer Science, and
Statistics.
                                                                                   2012–2017
Graduate of a Scientific High School 83/100
E.Majorana , Latina (LT) – Italy

SIGNIFICANT SUBJECTS DURING UNIVERSITY

- TELECOMMUNICATION NETWORKS
- PROGRAMMING TECHNIQUES (using C language)
- SOFTWARE DEVELOPMENT(using Java)
- FUNDAMENTALS OF AUTOMATION
- DATABASES (using SQL, HTML, CSS, PHP, JavaScript)
- THEORETICAL COMPUTER SCIENCE
- ALGORITHMS AND DATA STRUCTURES
- NETWORKS AND OPERATING SYSTEMS (using C++ and the Packet Tracer software)
- WEB LANGUAGES (using HTML, CSS, PHP, JavaScript, and XPath for XML files)

SIGNIFICANT PROJECTS

Projects for Networks and Operating Systems

- Information exchange between Client and Server implemented using C++
- Small implementations of Multi-Threading and Fork() for Multi-Processing

Database Project (Team of 3 students)

- A simple web application that allows users to view and submit reviews on movies, books, and TV series. It also includes an Admin Dashboard for managing all the data.
- **XAMPP was used to test the website.**
  A complete database using MySQL (MariaDB).
  Technologies used: HTML, CSS, PHP, JavaScript, SQL.

Web Languages Project (Team of 2 students)

- E-Commerce project including specific discounts, discounts related to other purchases, and general discounts (based on certain user conditions). Each user has two reputation statistics, one in points and the other as a percentage. Users can review a product with a rating from 0 to 8, along with a description. It is possible to ask questions about products and answer them, leaving a rating as well. Based on the received ratings, users' base and weighted reputation improves or decreases. The weighted reputation is influenced by the reputation of those who rate the user.
- **Includes an Admin Dashboard to manage all data. XAMPP was used to test the website.**
  A complete database in XML format, except for users, who are stored using MySQL (MariaDB).
  Technologies used: HTML, CSS, PHP, JavaScript, SQL, XPath.

Thesis

- Title: "Advwork Module for Moodle: An Updated Version to Support the Analysis of Peer Assessment Sessions."

- Summary: A few years ago, a plugin was created for the Moodle platform that models students using three stochastic variables associated with each student. This plugin allows Peer-Assessment between students and uses it as an initial base for modeling. The system automatically evaluates students, and with each professor's assessment, the models are improved. The plugin had and still has several issues; with my thesis i fixed some little problems and identified others. I resolved the issue of not having the system's evolution saved at each change, before this it was impossible doing accurate analysis on the system. I implemented the saving of essential data in CSV files and performed an example analysis using historical data (although limited and not very reliable).

- **Technologies used: XAMPP and Docker for testing the website**
  Complete database with MySQL
  HTML, CSS, PHP, JavaScript, SQL languages.

CERTIFICATIONS

- "First certificate in English" from Cambridge English Language Assessment in 2016

- "ECDL Full Standard Certificate" from AICA in 2016

LANGUAGES

- **italian**– Native
- **English** – B2