

DAVIDE CHEN

Junior Data Scientist

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EDUCATION

MSc in Data Science & Business Informatics

University of Pisa Ongoing

BSc in Computer Science

University of Pisa 2021

Erasmus+ Exchange Program

University College Dublin 2020

Administration, Finance & Marketing

I.S.I.S. Einaudi-Giordano 2016

PROJECTS

ReUp - Predictive Maintenance in Industry 4.0

The project consists of designing and developing, in teams, a system of Predictive Maintenance for Cobots (Collaborative-Robots) used by Vitesco Technologies in their production. In particular, it is required the design and implementation of the following modules:

- Machine Learning Model for anomalies detection
- Web interface
- Kit IoT integration
- Business model of the proposed solution

DM I - Data Mining: Fundamentals

The project consists of analyzing the problem of forecasting high seismic bumps in a coal mine with data mining tools. The data was taken by the polish "Institute of Computer Science, Silesian University of Technology" and the "Institute of Innovative Technologies", from a Polish coal mine. Topics covered:

- Data Understanding & Preparation
- Clustering
- Classification
- Pattern Mining

<https://github.com/Grade0/DM-I>

DM II - Data Mining: Advanced Topics and Applications

This project consists in analyzing with some advanced data mining tools the problem of Human Activity Recognition. The dataset is built from the recordings of 30 subjects performing activities of daily living while carrying a waist-mounted smartphone with embedded inertial sensors. Topics covered:

- Outlier Detection
- Dimensionality Reduction
- Advanced Classification
- Time Series Analysis
- Sequential Pattern Mining

<https://github.com/Grade0/DM-II>

Una Cervecita Fresca

The project aims to design, implement and manage the web application a system for the sale and inventory management of craft beers using the ORACLE Database.

- Relational Database (ORACLE)
- PL/SQL, HTML, CSS, JavaScript, PHP

https://github.com/Grade0/LBD_TeamProject

EXPERIENCE

Big Data Analyst

Aubay Italia

04/2022 - Ongoing Roma, Italy

Internship

SKILLS

Tech

Java

C

Python

HTML

CSS

JS

PHP

PL/SQL

ORACLE DB

Project Management

Kanban

MS Office

Soft Skills

Proactive

Learning

Team Working

Resilience

Project Management

LANGUAGES

Italian

Native

Chinese

Native

English

Advanced

Spanish

Beginner

AWARDS



Winner of Samsung Innovation Campus - Smart Things Edition

FIND ME ONLINE



LinkedIn

www.linkedin.com/in/davide-chen



GitHub

www.github.com/Grade0