DAVIDE CHEN

DATA SCIENTIST

DETAILS

ADDRESS
Pisa, Italy

EMAIL
davide.chen@outlook.it

LINKS

Website:
www.davidechen.it

Github:
github.com/Grade0

Linkedin:
linkedin.com/in/davide-chen/

SKILLS

Python

Predictive Model

SQL

MS Excel

Team Player

LANGUAGES

Italian
● ● ● ● ●

Chinese
● ● ● ● ●

English
● ● ● ● ○

CERTIFICATIONS

BLS-D - First Aid
Procedures

Soft Skills for tomorrow's
businesses - CLab

PROFILE

Junior Data Scientist with a passion for delivering valuable data through analytical functions and data retrieval methods. Committed to driving business growth by developing strategic plans based on predictive modeling and data-driven insights.

EXPERIENCE

Data Scientist - Driverless Division, E-Teams Squadra Corse — Pisa
Oct 2022 — Sep 2023

The Formula SAE Team of University of Pisa. The Driverless division represents one of the greatest strengths of the E-Team, since it studies and works on the production of the self-driving vehicle.

Big Data Analyst, Aubay Italia — Rome
Apr 2022 — Oct 2023

Data analysis and visualization in the field of telecommunications with the relative deepening of knowledge on Legacy, LTE/4G, VoLTE, 5G technologies and their main KPIs.

Samsung Innovation Campus - Smart Things Edition, Samsung Innovation Campus — Pisa
Mar 2021 — Sep 2021

Winner of Samsung Innovation Campus 2021 edition, a project dedicated to creating a group of young problem-solvers in the fields of Artificial Intelligence, Machine Learning, IoT, Cybersecurity, Project Management and Soft Skills.

EDUCATION

MSc in Data Science and Business Informatics, University of Pisa — Pisa
2025

BSc in Computer Science, University of Pisa — Pisa
2022

Erasmus+ Exchange Program, University College Dublin — Dublin
2021

Administration, Finance and Marketing, I.S.I.S. Einaudi-Giordano — Naples
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. Topics covered:

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

DM II - Data Mining: Advanced Topics and Applications

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

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

Distributed Data Analysis and Mining

This project consists of analyzing a **large amount** of eCommerce data in order to predict the users' behavior with data mining and **Hadoop (Spark)** tools. Topics covered:

- Data reduction
- Understanding & Preparation
- Features Extraction
- Classification

Business Intelligence

The project consists of a set of assignments corresponding to a **BI process**: data integration (**ETL**), construction and querying of an **OLAP cube**, and reporting. Topics covered:

- Data Warehouse building
- SSIS Solution
- Multidimensional Data Analysis
- Reporting

Una Cervecita Fresca

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

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