



## Antonio Oliva

Mechanical Engineer

Date of birth: 20 July 1993

Place of birth: Sarno (SA) - Italy

City: San Marzano sul Sarno (SA) - Italy

**Nationality:** Italy

**Driving licence:** A | B

github.com/antonio-oliva

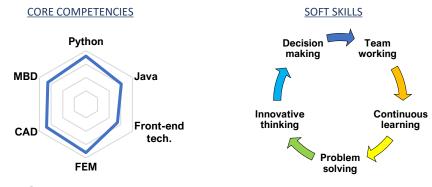
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Using my knowledge and my skills to improve people's lives is my main source of motivation. Therefore, I really appreciate being part of innovative projects, oriented towards future and digital transformation.





#### PROFESSIONAL EXPERIENCE

BRIDGESTONE 07/2019 - today ROME - Italy



# **R&D Analysis Developer:**

I participate in the development of a web application for digital design and advanced simulation, aimed at enhancing tire simulation technologies by means of CAE / FEA software.

I work on an international project, managed according to the Agile paradigm, in close collaboration with colleagues from the American and the Japanese technical centers. Daily, I am involved in software development, mainly on the back-end side, and in the improvement of finite element analyses.

In the period July 2019 - December 2019 I covered the position of intern. Since January 2020 I have been a consultant in Bridgestone on behalf of Integris Spa.



ONLINE SPECIALIZATION 05/2021 - 09/2021 **Duke University** 



### **Java Programming and Software Engineering Fundamentals**

This Specialization covered the fundamentals of software development, focusing on algorithm development, data representation, and debugging, using HTML, CSS, JavaScript, and Java.

https://www.coursera.org/account/accomplishments/specialization/certificate/F4923945EP6Y

This Specialization required the completion of <u>5 courses</u> and their certification exams. In the final Capstone Project, I created a movie recommender system, i.e., a DIY version of Netflix, available at the link below:

https://www.dukelearntoprogram.com//capstone/recommender.php?id=wEgX6D97nHKtmp

**ONLINE TEST EF SET** 

#### **EFSET English Certificate**

EF Standard English Test - 01/06/2020

Score: 79/100 (C2 Proficient) https://www.efset.org/cert/z8EKuy



MASTER'S DEGREE UNISA - Italy

Mechanical Engineering: LM-33 – 2<sup>nd</sup> level degree

09/2016 – 02/2019 Università degli Studi di Salerno

Thesis title: Use of Multibody-FEM Codes for Simulation and Design of

Aeronautical Components

Thesis supervisors: Guida D., Pappalardo C. M.

Graduation date: 21/02/2019

Final degree mark: 110 cum laude (of out 110)

**BACHELOR'S DEGREE** UNISA - Italy

Mechanical Engineering: L-9 – 1st level degree

09/2012 - 05/2016 Università degli Studi di Salerno

Thesis title: Analysis of vehicle longitudinal dynamics during braking

Thesis supervisors: D'Agostino V., Pisaturo M.

Graduation date: 11/05/2016

Final degree mark: 110 cum laude (of out 110)

SCIENTIFIC CERTIFICATE Scientific High School

09/2007 - 07/2012 Liceo Scientifico Mons. B. Mangino, PAGANI (SA)

PAGANI (SA) - Italy School-leaving examination mark: 100/100

**PROJECTS** 

My Résumé Web Page 01/2021

Development of a fully responsive web page hosting my résumé.

GitHub project: github.com/antonio-oliva/myHTMLcv

Technologies: HTML, CSS, JavaScript Libraries: Bootstrap, Google fonts

] TECHNICAL EXPERTISE

**SOFTWARE** DEVELOPMENT

Python	Java	Matlab	JavaScript (basic)	HTML
CSS	Bootstrap (basic)	SQL (basic)	MongoDB	Git
Atlassian Suite	PyCharm	Eclipse	VS Code	O.O.P.
5 . 5	<b>D</b> :			

**Design Patterns** Django (basic)

**MECHANICAL DESIGN** 

SolidWorks	AutoCAD 2D	MSC Adams	
ANSYS Workbench	ABAQUS	Matlab / Simulink	

**OTHERS** Windows GIMP Microsoft Office Suite

I PUBLICATIONS

2019

Title: A General Method for Performing an Integrated CAD-MBD-FEM Analysis

ODESSA - Ukraine Authors: Pappalardo, C. M., Biondo, A., Oliva, A., and Guida, D.

In: Grabchenko's International Conference on Advanced Manufacturing Processes

2019

Title: Redesign of an Aircraft Cargo Door by using a CAD-MBD-FEM Integration Method

ODESSA - Ukraine Authors: Guida, D., Oliva, A., Biondo, A., and Pappalardo, C. M.

In: Grabchenko's International Conference on Advanced Manufacturing Processes

LANGUAGE SKILLS

Italian: Native speaker English: Fluent – B2

Automo Oliva