

# Giovanni Monco

Mechanical Engineer

Internship for Master Thesis July 2018 - January 2019

Siemens Industry Software NV, Leuven (Belgium)

Performing of Experimental Modal Analysis, Operational Modal Analysis, Environmental Testing and MIMO Vibration Testing ( Random Control, TWR)

Private Tutor January 2016 - June 2018

Groups of middle and high school students

Private tutoring in various technical and scientific fields: Mathematics, Physics, Mechanics

Fruit Picking Summertime 2011 - 2013

Azienda Grazzi Gian Paolo, Ferrara (Italy)

I picked up fruit for three consecutive summers

High School Internship June 2011 - July 2011

Diaber srl, Ferrara (Italy)

Processing of steel, hard metal and CBN using machine tools: lathe, sharpening machine, milling machine

## Education

Master of Science in Mechanical Engineering September 2016 - February 2019

Università degli Studi di Ferrara, Ferrara (Italy)

Thesis title: "Challenges of replicating in-service responses at the component level with MIMO vibration control testing strategies"

Bachelor Degree in Mechanical Engineering September 2012 - December 2015

Università degli Studi di Ferrara, Ferrara (Italy)

Final mark 98/110

Thesis title: "Analisi della resistenza a fatica di giunzioni saldate per punti"

Description: Evaluation the strength of a welded joint as the numbers of joints increased.

Technical High School Diploma September 2007 - June 2012

ITI N. Copernico - A. Carpeggiani, Ferrara (Italy)

Final mark 96/100

Specialization in Mechanics

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Ferrara, 11/02/2019

## Languages

- **Mother tongue:** Italian
- **Foreign language:** English

## Technical Skills

Microsoft Office (Word, Excel, PowerPoint)



Simcenter NX, TestLab



MATLAB & Simulink



ANSYS, COMSOL Multiphysics



SolidWorks



Autodesk: AutoCAD, Fusion 360



LaTeX



## Publications

U. Musella, M. Alvarez Blanco, D. Mastrodicasa, G. Monco, E. Di Lorenzo, S. Manzato, B. Peeters, E. Mucchi, P. Guillaume, **"Combining Test and Simulation to Tackle the Challenges Derived from Boundary Conditions Mismatches in Environmental Testing"**, IMAC 2019

## Hobby & Passions

- Play guitar
- Football
- DIY