Giovanni Monco

Mechanical Engineer

Work experience

Research Assistants   February 2019 - October 2019

Department of Engineering - University of Ferrara (Italy)

Performing Environmental Testing and MIMO Vibration Control Testing on a Multiple Shaker

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 scool students

Private tutoring in various techical 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)

Final mark 109/110

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

Description: Use of MIMO control testing strategies to improve the replication of the operational vibratory responses of structures on a multiple shaker.

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.

Techincal High School Diploma   September 2007 - June 2012

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

Final mark 96/100

Specialization in Mechanics

Ferrara, 10/09/2019   *Giovanni Monco*

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