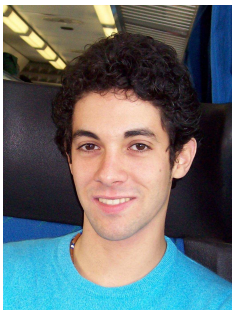
CURRICULUM VITAE

PERSONAL INFORMATIONS



Name	Andrea Ciaravolo
Address	VIA PRATO SANTO, 4 37126 VERONA ITALY
Telephone	(+39) 0458 35 06 13
Mobile Phone	(+39) 340 23 11 115
E-mail	ciaravia@yahoo.it
Nationality	Italian
Date of Birth	11th May 1983

EDUCATION

Period	September 1997 - July 2002
Institute	High school: "Liceo Scientifico Statale Galileo Galilei"
Result	100/100
Period	October 2002 – March 2006
Institute	Padova University – Institute of Mechanical Engineering
Result	Bachelor Graduation in Mechanical Engineering: 99/110
Institute	Padova University – Institute of Mechanical Engineering Matriculated to Master Course in Mechanical Engineering Specializing in Technology and Production

PERSONAL SKILLS

MOTHER-TONGUE: ITALIAN

OTHER LANGUAGES

ENGLISH

• Reading Level	EXCELLENT
• Writing Level	EXCELLENT
• Speaking Level	GOOD
• Extra school course	Private English course with an English mother-tongue Teacher for 5 years

GERMAN

• Reading Level	GOOD
• Writing Level	BASIC
• Speaking Level	BASIC

TECHNICAL ABILITIES AND SKILLS

PROFESSIONAL EXPERIENCE

August 2005: One month of Internship (Practicum) by Weber Motor AG in Germany

PRATICE

EXPERIMENTAL:

2003 Numerical methods:

- Implementation with Microsoft Excel of the following iterative scheme to solve non-linear equation: fixed point scheme, Newton Raphson scheme and Regula Falsi scheme. Comparison between these schemes based on their efficiency and convergence.
- Implementation with software Fortran of a program for solution of a linear system by relaxation method, determination of the optimum value for the relaxation factor and analysis of convergence.
- Interpolation and approximation of data with software Matlab.

2004 Measurements and mechanical metrology:

- Construction of a dynamometer realized by the measurement of stress and strain parameters of an aluminum shelf by using strain gauge and Wheatstone bridge. Study of the measurement uncertainty and evaluation of precision and accuracy of the instrument.
- Thermal measurement by using a thermocouple. Correlation between the sinusoidal input and the exponential output of the instrument. Calculation of the time constant of the exponent and determination of the instrument uncertainty.

PROJECTS:

2005 Machines:

- Project of a radial pump based on typical machine numbers and mechanical similitude, by fixing system head and flow as boundary conditions. Drawing with AutoCAD software.
- Project of a ventilator with backward curved blade based on typical machine numbers and mechanical similitude, by fixing system head and flow as boundary conditions. Drawing with AutoCAD software.

2005 Machines construction:

- Complete project and drawing of a reduction gear with; static calculation of flexion and torsion; dynamic calculation of fatigue resistance.

2006 Thermodynamic applied:

- Complete study of an heat exchanger

Fluid dynamic applied:

- Individuation of streamlines of a radial pump by divided differences method by relaxation step by step

Product Design for Manufacturing and Environment:

- Application to an object of the Design for Manufacturing Criteria and Methods

TECHNICAL VISITS

2004 Metallic materials: Steel work Valbruna

2005 Centro Ricerche Fiat

2005 Complete visit of Weber Motor AG and Albert Weber GmbH production line in Markdorf and Neuenbürg, Germany

2006 Industrial systems: Kosmo

2007 Assembly technology and systems: Askoll 5 for automatic assembly, Achille Tommasetto for manual assembly

OTHER EXPERIENCES

2007 Member of a five person team for Logistic Game: Warehouse Design Competition, for Kosmo company organized by Becoming Manager

www.becomingmanager.com

BACHELOR THESIS

SUBJECT:
Manufacturing Technologies
TUTOR:
Prof. Ing. Stefania Bruschi
TITLE:
Concept for the integration of a cylinder bore coating process into an engine block manufacturing plant
NOTE:
Written in English by the German company Weber Motor AG

COMPUTER KNOW LEDGES

Microsoft Windows
Microsoft Office (Word, Excel, Power Point, Access)
License by ECDL course (European Computer Driving License).
Fortran
AutoCAD basic knowledge
Matlab basic knowledge
Forge and Q-CAD

ABILITIES AND SKILLS

Very interested in Concurrent engineering methods as DFX (Design for) and in management of innovation and development.
I'm very keen to achieve responsibility roles in my activities.
During the high school I have been Class Representative.
At present I live in a Student Campus where I have been:

- Member of the internal Board of students as students' representative;
- Music Room administrator and Barman of the Campus Bar.

HOBBIES

I love music and cinema and traveling around the world to get in touch with different cultures.
In the free time I practice fitness and swimming.

MILITARY SERVICE

Not required.

DRIVING LICENSE

I achieved "B" license in September 2001

REFERENCES

Gregorianum Campus
Via Marcel Proust , 10
35128 Padova - ITALY
Tel: +39 049 75 60 11
gregorianum@libero.it
www.gregorianum.it