David Volponi

WORKING EXPERIENCES

- From Nov. 2013 to Now	Ph.D student for Sapienza University of Rome Research in turbomachinery technologies, in particular fan design and technologies. Development of software for mean line and 3D design of axial fans, noise analysis and reduction. Consultant for different companies for fan development.
-From Apr. 2013 to Oct. 2013	Tests of passive device for stall control and fan performance analysis SolyventFläkt Ltd Group. Test of passive devices for stall control in axial fan for tunnel ventilation and performance measurements according to ISO 5801 standards in Växjo lab, Sweden.
-From Oct. 2012 to Mar. 2013	Master thesis SolyventFläkt Ltd Group. Thesis title: A two stage axial fan blade optimization. Developed in support of Research and Development department of SolyventFläkt, Växjo Sweden.
- From Mar. 2009 to Jul. 2011	Formula SAE Team Member Design and development of systems for suspension settings of formula style race car prototype.

SKILLS

- Good knowledge of Matlab and Scilab in particular in development of Graphical User Interface.
- Good knowledge of CAD programs AUTOCAD, Solid Works and Rhinoceros.
- Good use of ANSYS package both mechanical (APDL) and CFX.
- Good use of Arduino PLC.

STUDIES

- From Sept. 2010 to Mar. 2012	MECHANICAL ENGINEERING (Master degree). c/o. La Sapienza University of Rome *Principal Subject:* Turbomachinery Design *Title:* "A two stage axial fan blade optimization"
- From 2006/2007 to 2009/2010	MECHANICAL ENGINEERING (Bachelor degree) c/o. La Sapienza University of Rome *Principal Subjects:* Automotive *Thesis Title:* "Suspensions design and realization for a Formula car"

LANGUAGES

- Italian: Mother tongue
- English: Good in writing, reading and speaking
- Swedish: Basic knowledge of both writing reading and speaking

OTHER SKILLS

Excellent knowledge of OSs (*Windows XP, Vista,7, Linux*); excellent in software using: *Word, Excel, Powerpoint, Acrobat*, *Windows Movie, Internet Explorer, Mozilla Firefox,* and *Adobe Photoshop*. Good in *Tecplot*, and *Latex*.

HOBBIES AND OTHER SKILLS

Electronics and advanced use of PLC (Arduino platform), volleyball , climbing, mountain biking .

Rome,
2015 07 02