

David Alaluf
Physics engineer

French
Born on 25 January 1987 (26 years old)
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PHYSICS ENGINEER

EDUCATION

- 2005 – 2010: **Physics Engineer** at *Université Libre de Bruxelles (ULB)*

Master these: at **CERN** particles physics (contribution to the first analysis in CMS experiment at LHC)

- 2010: **Internship** at *Centre Européen de Recherche Nucléaire (CERN)*: Analysis, techniques and creation of particle accelerators.
- September 2009 – February 2010: **Erasmus in Spain** (Madrid) at *Universidad Politécnica de Madrid (UPM)* **telecommunications** branch.
- 2010-2011: Master at **Louvain School of Management** at *Université Catholique de Louvain-La-Neuve (UCL)*.

Master these: Optimization of electricity production efficiency

PROFESSIONAL EXPERIENCE

- Current position (Since 01/02/2013): **Ph.D. Thesis at the Department of Mechanical Engineering and Robotics** of the Université Libre de Bruxelles.
Supervisor: Prof. André Preumont.
- 2011-2012: Safety Analyst at Bel V
- 2007-2010 : Tutor of mathematics and Physics
- 2007 : Electrical installation work in a shipyard
- 2006 : Websites creation for companies

LANGUAGES (0: nothing, 5: perfect)

- French – 5
- English – 3.5
- Dutch – 3
- Spanish – 3

SOFTWARE KNOWLEDGE

- CAD: Catia, Solid Edge
- Finite Elements: Finite Element Method Magnetics, Samcef
- Programming: Matlab, Simulink, Visual Basic, C++, Delphi, JavaScript , HTML , PHP , Flash , MySql , CSS, Assembler, Linear Programming, root etc.
- Miscellaneous: Pspice, Latex, Photoshop, CorelDRAW, Front Page, EasyPHP etc.
- Operating systems: Windows XP/NT/2000/Me/9X and UNIX/LINUX

PRICES

- 2011: First price for thesis simplification contest (issued by the A.Ir.Br) *Highlighting the existence of an unknown particle during high energy proton collision*
- 2005: Design and manufacture of the best telescope in a team of 6 students within the university framework