

# CHARLES LUZZATO, PHD

## PERSONAL INFORMATION

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ADDRESS: Dachauer Str. 163, 80636 Munich Germany  
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HOMEPAGE: [charles.luzzato.com](http://charles.luzzato.com)  
DATE OF BIRTH: 27 April 1989  
NATIONALITIES: French and British

## WORK EXPERIENCE

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SINCE 03.2015	<b>Exa GmbH, Munich Germany</b>  <i>07.2017 – Current</i> <b>Team Lead, Aeroacoustics</b> <ul style="list-style-type: none"><li>Aeroacoustic, aerodynamic and thermodynamic projects in Western and Central Europe, and Asia</li><li>Management of Research and Development aeroacoustics projects with leading European car manufacturers</li><li>Management of 9 FTEs for technical projects, skill development and career planning</li></ul> <i>03.2015 – 07.2017</i> <b>Senior Application Engineer, Aeroacoustics</b> <ul style="list-style-type: none"><li>Technical lead for Windnoise activities, including research and development, and acoustic liaison for leading car manufacturers in the DACH region, Italy and Scandinavia</li><li>Pre/post processing, simulation, analysis and optimisation of flow and acoustics in ground transportation and fan systems</li></ul>
06–09. 2010	<b>Internship at EDF, Clamart France</b> Code Safari is an in-house high order finite difference CFD code. I was responsible for validation and method development.   Supervisors: <a href="#">Dr. Philippe Lafon</a> , <a href="#">Dr. Allan Bonnet</a> .

## EDUCATION

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2011– 2015	<b>PhD in AERONAUTICAL ENGINEERING, Imperial College London</b> <i>Thesis:</i> “Modelling and control of combustion instabilities with anchored laminar ducted flames”   Supervisor: <a href="#">Dr. Aimee Morgans</a> Research Assistant: Development of <a href="#">OSCILOS</a> with MATLAB and Simulink Graduate Teaching Assistant: Taught, graded and designed undergraduate courses
2007– 2011	<b>MEng. in AERONAUTICAL ENGINEERING, Imperial College London</b> <i>78/100 First Class Honours</i>   Specialisation in CFD and Numerical Methods <i>Thesis:</i> “Immersed Boundary Methods with explicitly enforced viscous forces and pressure gradient equilibrium at the solid boundary”   Supervisor: <a href="#">Prof. Christos Vassilicos</a> Best structural design project for 1 <sup>st</sup> and 3 <sup>rd</sup> year
2009 – 2010	Exchange academic year at <b>ISAE-SupAero, Toulouse France</b> <i>81/100 First Class Honours</i>   Specialisation in Aerodynamics <i>Project:</i> Development of Image Recognition Algorithms using Neural Networks with Matlab   Supervisor: Marc Spigai
2007	International Option of the Baccalaureate, <b>Lycée de Sèvres, Sèvres France</b> Scientific specialisation with English literature and history option

## LANGUAGES

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FRENCH: Mother tongue  
ENGLISH: Mother tongue, Cambridge Advanced Proficiency Examination, grade A  
GERMAN: Intermediate, Goethe-Institut level B2.1

## AWARDS AND CERTIFICATES

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- 03.2013 | European Acoustics Association  
Best student paper and presentation at AIA-DAGA 2013
- 12.2011 | Certificate of Accomplishment: Introduction to Artificial Intelligence, 87.2/100  
Stanford University online course
- 05.2006 | First Prize in in the "Amis de Sèvres" competition: [Paths of Hope](#)

## COMPUTER SKILLS

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Software: LINUX and MICROSOFT WINDOWS operating systems  
Microsoft Office  
MATLAB,  $\text{\LaTeX}$ , and CAD (CATIA V5, ProEngineer)  
Exa PowerFLOW

Programming: Proficient in FORTRAN and GIT version control  
Good knowledge of C and PYTHON

System admin.: OpenVPN, Gitlab, E-mail, Asterisk and Nextcloud server management  
Docker microservice deployments

## INTERESTS AND ACTIVITIES

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Interest in network management and network services (self-hosted Exchange e-mail, websites, VoIP, DNS, Cloud Computing, etc.)  
Golf Enthusiast  
Electro-acoustic and speaker design hobbyist

## PUBLICATIONS AND RESEARCH

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You can find more information about my research and a list of my publications on my homepage: [charles.luzzato.com](http://charles.luzzato.com)

## REFERENCES

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Available upon request