LUCA D'ALESSANDRO

Date and place of birth: 1st June 1990, Chieti (CH)
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WORK EXPERIENCE

Nov 2014 – (March 2018)	**Politecnico Milano**	**PhD candidate in Structural Engineering**	Milano, IT
	Project:	Smart materials and meta-materials applications	
	Awards:	ST Microelectronics funds, ECCOMAS 2016 Scholarship	
	Team work:	Advisor of 5 master theses, collaborations with 3 PhDs	
	Publications:	5 conference papers, 3 international journal papers	
Feb 2016 – Oct 2016	**Politecnico Milano**	**Teaching assistant**	Milano, IT
	Course:	Structural design Mathematical Engineering Course	
Sep 2015 – Feb 2016	**MIT**	**Visiting PhD at Microsystems Tech Lab**	Cambridge, MA, US
	Project:	Topological optimization of phononic crystals	
	Award:	MIT-Rocca Doctoral fellowship [top 1% PhDs Politecnico Milano]	
Apr 2015 – Jun 2015	**ST Microelecronics**	**Visiting Researcher**	Milano, IT
	Project:	MEMS piezoelectric thin film applications	
Jan 2015 – Feb 2015	**TechProject srl**	**External Collaborator**	Milano, IT
	Project:	Seismic check of 3 buildings in Florence (40k m^2)	
	Team work:	Managing 2 colleagues	
Nov 2014 – Sep 2015	**Piacentini Group**	**External Collaborator**	Bologna, IT
	Project:	Tech operations optimization algorithm (+1600% prod)	
Sep 2014 – Nov 2014	**Piacentini Group**	**Employee**	Bologna, IT
	Project:	Design and check of steel-concrete bridges	
Jun 2014 – Jul 2014	**Thyssenkrupp**	**Internship**	Milano, IT
	Project:	Great deals procedures, elevators	
Mar 2014 – Jun 2014	**Esedra srl**	**Internship**	Milano, IT
	Project:	Design and check of steel bridges	

EDUCATION

Oct 2016 – Dec 2016	**Il Sole24Ore BS**	**Financial modeling in Excel Master Part Time**	Milano, IT
	Topics:	Forecasting and Capital Budgeting, Valuation, Restructuring	
Mar 2016 – May 2016	**PoliHub**	**StartUp Program**	Milano, IT
	Award:	Full scholarship to attend the master on Start Up	
Sep 2015 – Feb 2016	**MIT**	**Non credit courses during fall and IAP**	Cambridge, MA, US
	Courses:	Nuts and Bolts of New Venture, Social Entrepreneurship, Java	
Oct 2012 – Jul 2014	**Politecnico Milano**	**MSc Civil Engineering, Structures**	Milano, IT
	Grade:	110 out of 110 with high honors [top 1%]	
	Thesis:	Sea transportation and waves dynamic loads	
	In collaboration with:	Fagioli spa leader in heavy transportations	
Sep 2009 – Jul 2012	**Politecnico Milano**	**BSc degree in Civil Engineering**	Milano, IT
	Grade:	110 out of 110 with high honors [top 5%]	
Sep 2004 – Jun 2009	**F. Masci**	**High School Scientific Diploma Science Focused**	Chieti, IT
	Grade:	100 out of 100	

LANGUAGES

English	Full professional proficiency
French	Good working proficiency

COMPUTER SKILLS

Softwares:	Comsol, Ansys, Abaqus, SAP2000, Straus7, AutoCAD, SolidWorks
Coding languages:	MATLAB, C, VBA, Fortran, Java

INTERESTS AND FASCINATION

Maths-logic olympics:	Italian final MATEpristem Bocconi University from 2002 to 2006, 2nd place in Abruzzo
	Italian final "Olimpiadi della Matematica" UMI Cesenatico 2009, 2nd place in Chieti
	Italian final "Olimpiadi degli Scacchi" Jesolo 2009
Interests:	Children entertainer during the summer campus (2008-2011)
	Effective soccer referee AIA (2008-2011)
Sports:	Swimming (competitive level year 2003), soccer, beach volley
Social networks:	BlaBlaCar "ambassador", LinkedIn "max strength" profile
Others:	High School students' representative during the last year