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Curriculum Vitae

Duccio AIAZZI

Architect, GIS & Urban Data Analysis
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I am an architect and data analyst with a specialisation in urban and geo-tagged data and skills in GIS and spatial analysis, obtained at the Centre for Advanced Spatial Analysis, at UCL. I have a background in architecture with a long experience in France and in the UK in the problematics of the city and in urban and architectural design. I have strong skills in spatial analysis and visualisation, and experience in project and team management. Having a hybrid professional profile, I can deal with complex issues related to multiple fields such as data science, urban planning, data visualisation and web technology.

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Education

2016	UCL - Centre for Advanced Spatial Analysis	<i>MSc "Smart Cities and Urban Analytics"</i>	London	Distinction
	<ul style="list-style-type: none"> • Develop quantitative reasoning and spatial analysis skills. • Gain deep insights into the new technologies regarding data and cities. • Exposure to top notch academics and people from innovative businesses. • Develop skills to read and understand scientific papers and conduct research on different topics. • Improve skills on scientific writing. • Develop network with alumni in an international context. 			
2014-2015	John Hopkins University	<i>Data Science Specialization</i>	MOOC on coursera.org	
	<ul style="list-style-type: none"> • Develop skills in the fundamental of statistics and quantitative analysis. • Develop skills in analysis and visualisation in R. 			
2009	London Metropolitan University	<i>MSc "Architecture, Energy and Sustainability"</i>		Distinction
	<ul style="list-style-type: none"> • Gain a deep understanding of the issues behind the search for energy efficiency • Develop technical knowledge to interact with engineers dealing with daylight analysis, thermal efficiency, air quality, etc. 			
2005	Universita degli Studi di Firenze	<i>Bachelor in Architecture</i>	Firenze	Distinction

Work Experience (2006-2017)

2016-2017	GIS and Data analyst consultant	<i>Data analysis and visualisation, free-lance consultant</i>	London
	<ul style="list-style-type: none"> • Contribute to GIA's white paper on urban density in the London area (GIA is a London-based consulting company mainly operating in the real estate business). • Propose, together with one of the young associate partners at GIA, the development of a tool for the analysis of the cross analysis of urban geometry and geo-tagged data. First steps into the development of the product. 		
2015	Reichen et Robert & Associes <i>Architectural practice</i>	<i>Architect</i>	Paris
2014-2015	SoA Architectes <i>Architectural practice</i>	<i>Architect</i>	Paris
	<ul style="list-style-type: none"> • Increase my experience with the French business environment by dealing with public clients. • Reorganise the internal workflow to optimise resources and mitigate risks. • Trained a small team in the use of advanced tools and find ways to overcome the natural resistance to change in methods of work. 		

2012-2014	Atelier Zundel Cristea <i>Architectural practice</i>	<i>Architect project leader</i>	Paris
	<ul style="list-style-type: none"> • Managed up to 2 people • Take over the management of a 20 million renovation project where the previous deliveries were not successful and the relationship with the client and the project management was in strain. • Reorganised the internal structure of the drawings, while keeping up with the deliveries of the project. • Rebuild client confidence in the firm through meetings, pertinent communication and quality deliveries. • Learn French in the meantime. 		
2007-2011	Sheppard Robson <i>Architectural practice</i>	<i>Architect project leader</i>	London
	<ul style="list-style-type: none"> • Manage up to 3 people to delivery concept design for architectural competitions with very short timelines. • Strategic planning for maximising the chances of winning commissions through competitions. • Manage and plan resources for the developing of the projects from the concept phase to the delivery on the construction site. • Internal and external presentations to the design team and the client. • Manage communication with clients in order to translate their needs into architectural form and balancing architectural priorities with costs and resources. • Improve my skills in conflict resolution within the designing team. 		
2006-2007	Ttsp <i>Architectural practice</i>	<i>Architect</i>	London
2002-2006	Miranda Ferrara Architects <i>Architectural practice</i>	<i>Work in an architectural office while a student</i>	Firenze

Competences

Analytical skills	<ul style="list-style-type: none"> • Fundamental of statistics • Graph analysis • Spatial Point Pattern Analysis, spatial auto-correlation, local test, global test • Clustering and classification (DbSCAN, k-means) • Basic machine learning techniques (SVM, Random Forest) • Scientific writing
Analytical and programming tools	<ul style="list-style-type: none"> • R, Python • QGIS • PostgreSQL, PostGIS • JavaScript / HTML • Excel
Graphical tools	<ul style="list-style-type: none"> • Photoshop, Illustrator, InDesign • Powerpoint
Languages	Italian (native), French (fluent), English (fluent)

