

PERSONAL INFORMATION

Francesco Davide Sanvito



 (Italy)

 (+39) 3487850573  (+39) 02 2399 3863

 francescodavide.sanvito@polimi.it

 www.linkedin.com/in/francesco-davide-sanvito  sesam.polimi.it

Date of birth 18/06/1993 | Nationality Italian

WORK EXPERIENCE

01/11/2018–Present

Doctoral Researcher

SESAM Group - Politecnico di Milano, Milano (Italy)

- transport and power sector coupling
- transport modelling
- exergoeconomics and Exergy Optimization
- energy access in rural areas in developing countries

16/09/2018–31/10/2018

Research Fellow

SESAM Group - Politecnico di Milano, Milano (Italy)

- transport and power sector coupling
- exergoeconomics and Exergy Optimization

10/2017–05/2018

Research and Tutor - "150 Ore" scheme

Politecnico di Milano, Milano (Italy)

- Project tutoring for the course "ENGINEERING AND COOPERATION FOR DEVELOPMENT" focusing on rural electrification in Africa
- Development of an Input-Output Model for evaluating the impact of energy projects.
- Project tutoring for the course "ADVANCED THERMODYNAMICS AND THERMOECONOMICS". The project consisted in the development of a Multi-Regional Input – Output Model focusing on the analysis of a given European country.

08/2016–09/2016

Intern

Dragon Mobility Ltd., Cambridge (United Kingdom)

The role held concerned the production line and the assistance service offered to the customers. He was introduced to the booking in and out system and to fundamentals of electronics needed in the construction of the power base and the driving control system. He was involved in the teamwork as a pair level employee letting him the autonomy to programming his tasks. He improved his technical and soft skills in an English-speaking environment. He joined also the project design team sharing his acquired engineering knowledge. He showed a strong interest in the social activities of the company.

08/2015–09/2015

Intern

Dragon Mobility Ltd., Cambridge (United Kingdom)

08/2012–09/2012

Intern

Dragon Mobility Ltd., Cambridge (United Kingdom)

He has been set various technical tasks during his time at DragonMobility, supervised by other members of the technical team. These have included using power tools to cut metal, plastic sheet, wood and foam plastics and rubbers; moulding plastics, and using leather, timber and other materials

to construct seat parts for supply to customers, taking part in the servicing of powerbases and taking a general role in providing technical support for senior colleagues in the workshop.

EDUCATION AND TRAINING

- 01/11/2018–Present **PhD - Energy and Nuclear science and Technologies** EQF level 8
Politecnico di Milano, Milano (Italy)
- 09/2015–04/2018 **Master of Science - Energy Engineering** EQF level 7
Politecnico di Milano, Milano (Italy)
Heat & Mass Transfer, Energy Conversion, Fundamentals of Chemical Processes, Energy Economics, Fundamentals of Oil & Gas, Electric Power Systems, Advanced Thermodynamics & Thermoeconomics, Renewables, Engineering and Cooperation for Development, Energy Modeling & Scenarios, Development Economics, Economics and Management of Multinational Enterprises, Multidisciplinary Project, Solar Thermal Processes
- 09/2015–04/2018 **Honours Programme - Engineering for Sustainable Development**
Politecnico di Milano, Milano (Italy)
The Honours Programme entitled "Engineering for Sustainable Development" is a parallel training programme that takes place at the same time as the Laurea Magistrale programmes (equivalent to Masters of Science) of the School of Industrial and Information Engineering, of the School of Civil, Environmental and Land Management Engineering and of Building Systems Engineering, Building and Architectural Engineering and of Building Engineering/Architecture of the School of Architecture Urban Planning Construction Engineering.
The aim of the Honours Programme is to enhance and to develop the systemic and cross discipline skills of future engineers, helping them understand and evaluate global challenges so that they may operate effectively in the field of sustainable development, deploying both theoretical and practical technical skills.
- 09/2012–09/2015 **Bachelor Degree - Energy Engineering** EQF level 6
Politecnico di Milano, Milano (Italy)
Calculus I and II, Physics, Chemistry, Metallurgy, Technical Representation, IT, Mechanics, Mechanics of Solid, Fluid Mechanics, Statistics, Thermodynamics and Heat Transfer, Management and Industrial Engineering, Power systems, Hydraulic and Thermal Machinery, Fundamentals of Indoor Environment Control, Principles of Machine Design and Manufacturing, Energy Systems and Environmental Impact, Analytical and Numerical Methods for Engineering, Industrial Measurements and Instruments

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
FCE TOEIC					
French	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills Francesco has developed his communication skills since he was involved as supervisor at parish summer holiday playscheme. The main activities were looking after children, entertain and supervise them during the day. It required excellent capabilities to communicate with peers and adults as well.

Francesco has covered the role of school council representative elected directly from the students (A.Y. 2011 2012). He sat on recruitment, budget and planning panels. The experience led Francesco to deal with formal environment enhancing his specific communication skills.

Francesco has been working for several years in a pub during weekend time. He improved the relational skills required to deal with customers.

He has been travelled in many places with extremely different backgrounds, such as America and Africa. Those experiences helped Francesco in developing a flexible way of thinking as well as broad communication skills with local people as well.

Organisational / managerial skills

Francesco has developed excellent skills in managing and organising his research works with a good level of independency in his last year of activity at SESAM group (Politecnico di Milano).

Francesco, during volunteering at local parish, partook in the leading team which focus was scheduling activities for >250 children and coordinate a group of >25 volunteers.

When he was enrolled as a volunteer during the Fringe Festival (Endinburgh) he organised the advertisement campaign for "Scarlattine Teatro", identifying the places and the targets of action.

Job-related skills

Manual and power tools competencies developed during the internships at Dragon Mobility.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Independent user	Proficient user	Independent user	Proficient user	Independent user

Digital skills - Self-assessment grid

ECDL - European Computer Driving License
--

Experience in Windows environment and Microsoft Office with emphasis on Excel.

Graphic software: Inventor, Solid Edge and Solid Works.

Programming languages: C++, MatLab, R-Studio, GAMS , Vensym, Python

Other skills

Francesco was involved in the local parish centre as soon as he was 15 and he became educator. The role consisted in dealing with people of the same age, adults and children. Communication skills were fundamental with such a diverse audience.

He has helped a non Italian speaking child with their homework for one year. He has been playing football for 6 years (2008 - 2012) in A.C. Veduggio and (2012 - 2013) in A.S.D. Veduggio Calcio in which he covered the role of captain of the team.

Driving licence

B