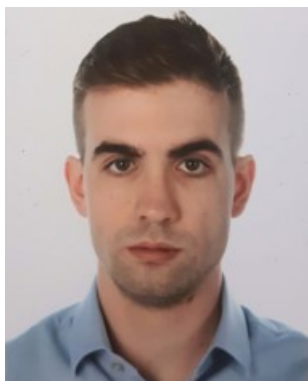


PERSONAL INFORMATION

Stefano Vanin



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🐙 <https://github.com/stefano-v37>

🌐 <https://www.linkedin.com/in/stefano-vanin/>

Date of birth 1995.06.03 | Nationality Italian

PROFESSIONAL EXPERIENCE

Wärtsilä Italia S.p.A.

2020.09 – present
San Dorligo della Valle
(Trieste, Italy)

Systems Software Developer

Programming and integration of a collaborative robot in production lines.

The asset is a KUKA KMR iiwa, which is a 7 degree of freedom manipulator installed on top of an autonomous guided vehicle.

Tasks

Design of the processes and layouts, programming of the cobot and design of tools to be produced in additive manufacturing for project-related needs.

Less frequently, I am also working on integration of devices considering digital and analog signals, power supply and fieldbus communication.

Relevant trainings:

1. Java (codewithmosh.com, Udemy);
2. KUKA Sunrise.OS programming 1 and 2 (KUKA Roboter, Grugliasco, Torino);
3. Siemens NX (CPI Eng, Internal).

Wärtsilä Italia S.p.A.

2019.08 – 2020.07
San Dorligo della Valle
(Trieste, Italy)

Marine Engineering Trainee

Development and application of data driven methods for the concept development of vessels' engine rooms.

Tasks

Design of engine room arrangements focused on 2 and 4-strokes marine engines, gearboxes, power transformers, shaft generators, fuel cells and energy storage systems.

Preparation of appealing value propositions of the solution, tailored on the most important indicators for the specific customer.

Relevant projects:

1. Studies about merchant and passenger vessels (business cases);
2. Collaboration in METRO project (business case);
3. Solar panels simulation (algorithm);
4. Port and Anchorage Identification (algorithm);

STUDIES

Master Degree

Università degli Studi di Trieste
2017.09 – 2020.04

Mechanical Engineering

LM-33

Thesis: "Data driven design of low emission machinery configurations for bulk carriers compliant with IMO 2050 Strategy"

Relator: Prof. Rodolfo Taccani, Professor of Fluid Machines at Università degli Studi di Trieste

Correlator: Andrea Zotti, Wärtsilä Marine Engineering Director

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Bachelor Degree

Università degli Studi di Trieste
2014.09 – 2017.10

Industrial Engineering

Thesis: "Potenziamento umano tramite muscoli artificiali pneumatici"

English translation: "Human augmentation using Pneumatic Artificial Muscles (PAM)"

Relator: Prof. Sabrina Pricl,

Professor of Principles of Chemical Engineering at Università degli Studi di Trieste

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High School

Liceo Scientifico Galileo Galilei
San Donà di Piave (Venice, Italia)
2014.06

Liceo Scientifico

Thesis: "Approfondimento sui fenomeni che interessano una moto da corsa durante un giro di pista"

English translation: "Analysis of the phenomena to which a motorbike is subjected during a racing lap"

85/100

OTHER WORKING EXPERIENCES

Beach services CO.GE.AR.

Summers from 2012 to 2016
Jesolo (Venice, Italy)

Welcome customers, cleaning and maintenance of the beach facilities.

Assembly of doors and windows
Tagliapietra Serramenti
2011.06 – 2011.08
Jesolo (Venice, Italy)

Quality control of the entering materials, cleaning and reorder of the warehouse, assembly of simple components, supporting colleagues on more complex assemblies and externally during on-site assemblies.

SKILLS

Technical skills

My skills deriving from University studies relate to the sizing of mechanical devices, plants and piping with a focus on optimization. I have made several projects using MATLAB, EES, ModeFRONTIER, ANSYS CFX, ANSYS Fluent, SolidWorks and Simulation. Each of these projects required a report of the results and therefore I have some experience with the markups of \LaTeX and TikZ.

At the moment I feel more comfortable using Siemens CAD environment.

Lately, I have been practicing programming and for the moment I have my routine consisting of Python managed using Conda environment and Java built using Maven. The versioning of my projects is done using GIT, hosted on GitHub or Bitbucket.

Soft skills

I am creative and curious, I like to learn new things and I appreciate being in a technologically driven context where expanding the knowledge is a shared target.

In my limited work experience, I found out that I enjoy relating with colleagues and customers and I am happy to work in a social stimulating group where I am keen to listen and participate when something smart crosses my mind.

I am optimistic but at the same time realistic, recognizing where there is a limit and committing to reach it.

I love sport, in particular basketball and racing. I would say that playing basketball during high school helped make me an hard worker who strives to achieve results.

Languages

Mother tongue Italian, fluent English

Driving licenses

A2, B.

INFORMATION PRIVACY

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