

PERSONAL INFORMATION

Giacomo Wilhelm

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FREELANCE INDUSTRIAL DESIGNER**Professional summary**

My approach is responsive, enterprising and systematic, I'm used to public speech and I enjoy working in team as much as by myself. I do enjoy my job.

I truly believe in teaching as a mutual learning process, in which both parties consolidates their know-how. As a professional, I consider it a fundamental tool to pursuit.

ACADEMIC EXPERIENCE

October 2017
January 2018

Politecnico di Milano | TEACHING ASSISTANT

Course: Design & Engineering Master Degree

Content: Design Studio 1 - English

Colleagues: V. Arquilla, S. Simonelli, M. Bordegoni

Subject: Concept and engineering of a domotics product

Activities: I helped the students maintaining a manufacturing-wise overview throughout the whole design process: I provided assistance by autonomous reviews with the students and ex-cathedra lectures.

May 2017
July 2017

Poli.Design | TEACHING PROFESSOR

Course: Industrial Design For Architecture Specializing Master

Content: Product Design Studio - English

Director: M. O. Ingaramo

Colleagues: F. Trabucco, S. Danese

Subject: "Urban Furniture Design"

Activity: I leaded the students, whose background was architectural, towards a product design mindset.

April 2017

Poli.Design | TEACHING PROFESSOR

Course: Strategic Design Specializing Master

Content: Product Design Studio - English

Director: C. Cautela

Company Partner: Verallia

Subject: "Say it with glass"

Activity: I managed a 2 weeks intensive workshop where I guided the students through a product design process in response to a global glass bottles manufacturer. The focus was mainly on research and creative tools and methods, the final aim was to individuate new marketing opportunities for the company to be explored and exploited. My students ranked first within the world competition.

October 2016
January 2017

Politecnico di Milano | TEACHING PROFESSOR

Course: Design & Engineering Master Degree

Content: Final Project Work - English

Colleagues: F. Trabucco, M. Carboni, C. Bellotti, M. Levi

Company Partner: Ghibli & Wirbel

Subject: Concept and engineering of a professional vacuum cleaner.

Activities: I led the students through the entire design process of a professional vacuum cleaner. I had a key role in the concept phase, in which I helped every workgroup to brilliantly answer the brief given by the partner company.

- May 2016** **Politecnico di Milano | GUEST LECTURER**
Course: Design & Engineering Master Degree
Content: Design For Manufacturing - English
Professor: B. Previtali
Subject: "DFM: Design for money"
Activity: I presented a half day lecture, in which I witnessed my experience as a professional designer, relating the typical machine-oriented subjects of the course with various human-oriented implications that often occur during a product development process.
- April 2016** **Poli.Design | TEACHING PROFESSOR**
Course: Strategic Design Specializing Master
Content: Product Design Studio - English
Director: C. Cautela
Company Partner: Verallia
Subject: "Say it with glass"
Activity: I managed a 2 weeks intensive workshop where I guided the students through a product design process in response to a global glass bottles manufacturer. The focus was mainly on research and creative tools and methods, the final aim was to individuate new marketing opportunities for the company to be explored and exploited.
- March 2016** **Politecnico di Milano | TEACHING ASSISTANT**
July 2016 **Course:** Product Design Bachelor Degree
Content: Design Studio 2 - Italian
Professors: L. Rampino, V. Arquilla
Company Partner: Colombo New Scal
Subject: Concept and development of a range of household appliances in response to a real-world company brief
Activities: I had an autonomous role in leading the students towards feasible products, both on the concept and the manufacturing points of view. My effort has been especially focused on keeping the point in line with the brief by the company.
Lectures: I also presented special lectures focused on BOM building strategies and project communication.
- October 2015** **Politecnico di Milano | MASTER DEGREE THESIS ASSISTANT SUPERVISOR**
July 2016 **Course:** Design & Engineering Master Degree
Thesis: "Husky: ciaspola per la pratica del winter nordic walking"
Supervisor: L. Rampino
Student: Luca Bonfanti
Activities: as a sport-design industry specialist, I had several revision sessions with the student and the supervisor with focus on the technical features in order to improve the overall performance of the project throughout the entire design process.
- November 2015** **Politecnico di Milano + Chiba University | ACADEMIC TUTOR**
Workshop: International Extra-curricular Workshop
Content: "High-tech masks: exploring-exploiting-enhancing the gap between personal safety and facial expression"
Professors: S. Ferraris, T. Higuchi, V. Ferraro
Activities: as a previously selected student, I tutored the students from all over the world to diverge and converge into new visions of mid-long term products. My involvement in the workshop started with the ideation and planning of the program, with the aim of achieving quality concepts in a short time through suitable design methods.
- October 2015** **Politecnico di Milano | MASTER DEGREE THESIS ASSISTANT SUPERVISOR**
February 2016 **Course:** Design & Engineering Master Degree
Thesis: "Progettazione di un pattino in linea da off-road"
Supervisor: L. Rampino
Student: Pietro Zeflippo
Activities: as a sport-design industry specialist, I had several revision sessions with the student and the supervisor with focus on the technical features in order to improve the overall performance of the project throughout the entire design process.

- October 2015**
February 2016 **Politecnico di Milano | TEACHING ASSISTANT**
Course: Design & Engineering Master Degree
Content: Design Studio 1 - English
Professors: L. Rampino, M. Bordegoni, S. Colombo
Subject: Design of small household electrical appliances to save resources
Activities: together with the professors, I helped the students to define products well balanced between innovation and feasibility.
- March 2015**
July 2015 **Politecnico di Milano | TEACHING ASSISTANT**
Course: Product Design Bachelor Degree
Content: Design Studio 2 - Italian
Professors: L. Rampino, V. Arquilla, R. Boni
Subject: Redesign of small household electrical appliances
Activities: I worked in couple with the professors to lead the students throughout the wide range of good design principles. I managed a special help-desk with focus on various manufacturing issues. I also presented a special lecture about project communication from a professional point of view.
- October 2014**
February 2015 **Politecnico di Milano | TEACHING ASSISTANT**
Course: Design & Engineering Master Degree
Content: Design Studio 1 - English
Professors: L. Rampino, M. Bordegoni, S. Colombo
Subject: Design of small household appliances to induce sustainable behaviors
Activities: after managing an interesting problem setting phase together with the professors, I autonomously tutored to the students during the development phase, with special focus on the manufacturing challenges.
- March 2014**
July 2014 **Politecnico di Milano | TEACHING ASSISTANT**
Course: Design & Engineering Master Degree
Content: Design Studio 2 - Italian
Professors: M.O. Ingaramo, R. Gorno, L. Draghi
Company Partner: Midea
Subject: Concept and development of an air conditioner
Activities: I worked both with the professors and autonomously to aid the design process of the students, with focus on keeping the point with the company's brief.
- February 2014** **Politecnico di Milano + Chiba University | ACADEMIC TUTOR**
Workshop: International Extra-curricular Workshop
Content: "The Evolution of Writing by Hand in the Future"
Company Partner: Toshiba
Professors: S. Ferraris, T. Higuchi
Activities: as a previously selected student, I tutored the students from all over the world to envision mid-long term products in response to the company brief. My role also comprised planning and time management, catalyzing design methods before and during the workshop itself.
- October 2013**
February 2014 **Politecnico di Milano | TEACHING ASSISTANT**
Course: Design & Engineering Master Degree
Content: Design Studio 1 - English
Professors: S. Ferraris, M. Meraviglia
Subject: Concept and development of a gardening sprayer
Activities: shoulder to shoulder with the professors, I helped the students to approach a non-common product, evaluate its valuable features and pitfalls, and answer a hypothetical brief with a semi-engineered concept.
- August 2013**
February 2015 **Arup - Internal knowledge sharing program | LECTURER DESIGNER**
During my collaboration with Arup as a freelancer I was involved into the internal knowledge sharing program, presenting various lectures to colleagues about design software workflow. I also had unofficial mentor roles for some novice colleagues.

March 2013

July 2013

Politecnico di Milano | TEACHING ASSISTANT

Course: Product Design Bachelor Degree

Content: Design Studio 2 - Italian

Professors: L. Rampino M. Canina

Subject: Redesign of a small household electrical appliances

Activities: starting from small appliances, together with the professors, I guided the students towards new concepts following the main guidelines of usability and conferring them a proper character.

October 2012

February 2013

Politecnico di Milano | TEACHING ASSISTANT

Course: Design & Engineering Master Degree

Content: Design Studio 1 - English

Professors: S. Ferraris, M. Meraviglia

Subject: Concept and development of office tools

Activities: I assisted the professors in the delicate act of transmitting the design toolbox to the students, both in problem setting and problem solving phases.

WORK EXPERIENCE

MAIN COLLABORATIONS

January 2014

ongoing

FREELANCE INDUSTRIAL DESIGNER

I currently work as a freelance designer, offering customized creative solutions. My portfolio comprises firms such as Arup, Union Binding Company, Politecnico di Milano, DanelonMeroni, DF Sport Specialist. I cover a range of roles which vary from strategy consulting to product engineering.

August 2013

Feb 2016

Arup srl | DESIGNER, ASSISTANT DESIGN MANAGER

As a member of the consulting department, I cooperated to the management of the retail furniture development of a worldwide client. I especially had a key role in design engineering management for the luxury brands portfolio of the client. Daily use of English language in an international environment.

November 2012

May 2013

Relco srl | FREELANCE INDUSTRIAL DESIGNER

Invention and engineering of a wind-working lamp post.

June 2012

October 2012

Prm Design srl | PRODUCT DESIGN INTERN

Internship in a multicultural context, English language. Research, invention and visualization within the innovation department, referring to the GDO market branch. I had a big opportunity to observe multinational clients' workflow.

June 2010

December 2011

Image Consult srl | TECHNOLOGY EXPLORER

I explored market opportunities of 3D and professional photography software, knowledge sharing both to the staff and to external customers. Completely autonomous task management.

AWARDS

2012

"Decò 2012" | WINNING PROJECT

Host: Interni, Regione Lombardia

With my team, we invented a wind-working lamp post, scoring 96/100 on project evaluation. The victory kick-started a collaboration with a lighting company, and the prototype was exhibited during the FuoriSalone 2012.

2012

"Light up my senses" | WINNING PROJECT

Host: Poli.Design, Whirlpool

Together with my team mate, we explored the emotional design and applied it to a next-generation dishwasher.

2011

"The right designer for every company 2011" | WINNING PROJECT

Host: Material ConneXion

In response to a company brief, I designed an indoor lamp, fully exploiting the pipe laser cutting technology. The prototype, realized in collaboration with the S.I.T.E.C. department of Politecnico di Milano, was exhibited by the Triennale di Milano.

EDUCATION

May 2013

Politecnico di Milano + Chiba University | CHIBA WORKSHOP 2013

I was one of the 6 student selected by Politecnico di Milano to participate to the “S-Wear: wearable in the future” international workshop in Chiba, Japan. The challenge was to envision new wearable products in partnership with Seiko Instruments.

February 2012

Politecnico di Milano + Howest University College | SOCRATES INTENSIVE PROGRAM

I have been selected as a student to participate to the “Green products through a Multicolored Approach”: European workshop focused on sustainability by “Howest University College” in Kortrijk, Belgium.

October 2011

April 2013

Politecnico di Milano | LAUREA MAGISTRALE IN DESIGN & ENGINEERING (equal to MS) First class honours (110 cum Laude)

Design for manufacturing: in-depth know-how of manufacturing techniques

Materials: management of the potential applications of materials

Virtual: reverse modeling and parametric modelling mindset CAD/CAID

Thesis: Splitboard interface system

September 2006

February 2011

Politecnico di Milano | LAUREA IN INDUSTRIAL DESIGN (equal to BAsC)

Integration between creative development and technical skills to design products and solutions in answer to companies needs.

Thesis: GymTonic, training apparel for on-wheelchair people

TRAINING

June - July 2013

Milan Chamber of Commerce | INTERNATIONAL MARKETING COURSE

International markets’ dynamics, national markets selection tools, business planning and strategy development, social media and innovation marketing tools.

2012

“Mentoring project” | SELECTED MEMBER

Host: Politecnico di Milano, Politecnico di Torino, Università “La Sapienza” di Roma
I was assigned to a mentor for a whole year, for a better kick-in into the job world.

January - June 2011

European Union | PRINT AND DIGITAL GRAPHICS EXPERT EUROPEAN CERTIFICATE

Workflow analysis in computer graphics, both on paper and on web.

Color management and print technologies: color handling workflow through the whole process. Theoretical and practical methods to design fonts.

PROFESSIONAL SKILLS

Mother tongue

Italian

Other languages

English - full professional proficiency

C1 (advanced) - TOEIC certificate (940 on 990 pts, 2009)

Computer skills

- Operative Systems: Apple OS X, Microsoft Windows;
- Microsoft Office, OpenOffice;
- Photoshop Adobe Certified Expert;
- Excellent mastery of Adobe Creative Suite;
- Dassault Systèmes Solidworks Certified Professional
- 3D modeling: Solidworks, Inventor, Rhinoceros, 3DS max, Blender;
- Rendering: Maxwell Render, Mental Ray, Keyshot, Blender;
- Materials selection software CES;

VOLUNTEERING

January 2008

January 2010

A.S.D. Ride and Roll | PRESIDENT

My passion for sports led me to establish one organization with the mission of gathering people with the same interests: at a quite young age, I had the opportunity to manage a real association and develop skills such as negotiation, strategic processing and event management.

REFERENCES

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I authorize the use and communication of this personal information according to the Italian Privacy Act. 196 / 2003 (“D. Lgs. 196/2003”).