



Contact

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 José Fredriksson

 YouTube Profile

 <https://engfredriksson.wixsite.com/home>

↑ Be welcomed to check-out my Portfolio

PERSONAL INFORMATION

Birth date: 07/12/1992

Birth place: San José, Costa Rica

Nationalities: German, Costa Rican

Marital status: Not married

Driver's licence: B1 - German

Work permit for Brazil: YES

LANGUAGES

Spanish: Native

German: Proficient/Fluent (C1)

English: Proficient/Fluent (C1)

Portuguese: Fluent/Use at work (B2-C1)

Italian: Elementary (A2)

AWARDED SCHOLARSHIPS

ERASMUS+ for Italy

ERASMUS+ Praktika for Spain

Engaged Students at the TH-Wildau

Summer project in Kenya for the TH-Wildau

José Rolando Fredriksson Chaves

MASTER OF ENGINEERING

EDUCATION

M. Eng. Mechanical Engineering, Emphasis: Renewable Energies

Technische Hochschule Wildau, Germany | 09/2015 - 08/2019

B. Eng. Mechanical Engineering, Emphasis: Mechanical Construction

Technische Hochschule Wildau, Germany | 09/2012 - 08/2015

Abitur (German High School Degree)

Humboldt-Schule, San José, Costa Rica | 2011

PROFESSIONAL CAREER

Lead Product Quality and Safety Inspector | 06/2022– today

O&M Analyst and Co-Coordinator | 12/2020 – 06/2022

Elevadores Villarta, Elevators & Escalators, São Paulo (SP)

- Perform quality and safety field inspections
- Deliver operation reports (Excell/PowerBI) and optimisation strategies (continuous improvement)
- Client proximity and planning of O&M schedules for mechanical/hydraulic/electrical equipment
- Create training material and assure assistance to field technicians when needed
- Team- Lead: On-boarding, orientation and mentoring engineering interns
- With capacitation in NR10, NR12, NR 18, NR 33, NR 35

Associate Partner | Independent initiative

Flexpert Training Consulting Ltd., Brazil | 02/2021 - today

- Development of intercultural projects that promote academic and technical 'know-how' exchanges between Brazil and Germany & Media content Administrator

Master Thesis, Research in Solar Thermal Power Innovation, Energy

German Aerospace Centre [DLR], Spain | 11/2018 - 08/2019

- Scientific Publication for the International Solar Energy Society: Techno-economic analysis and evaluation of innovative parabolic trough collectors ([Link](#))

Intern, Research Photovoltaic Tech. and Laboratory Experience

Centre of Hybrid and Organic Solar Energy (CHOSE), Italy | 04 - 07/2018

- Experimental measurements and evaluation of solar cell types

Semester Abroad, Erasmus – Wind Energy Project

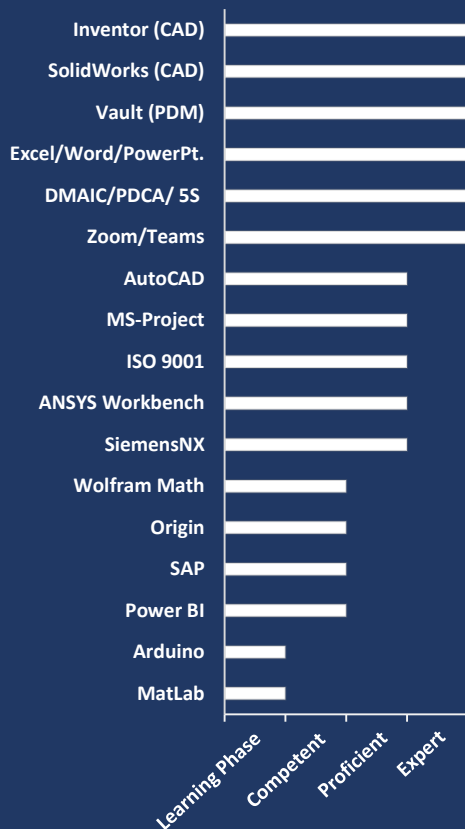
Università degli Studi di Roma Tor Vergata, Italy | 03/2018 - 09/2018

- Wind Power Generation study vertical vs. horizontal axis wind turbines: WTG Elements, Yield Calculation, Mechanisms and energy conversion and Laboratory of energetic systems, gravitational physics, celestial mechanics

Mechanical Engineer - Project Responsible

Deutsche Bahn Systemtechnik GmbH, Berlin | 03/2015 – 08/2017

- Responsible constructor of the interior design of a train prototype and coordination of production team. Today, 80 wagons of the S-Bahn Berlin circulate with this design ([Link](#))
- Customer specific elaboration of mechanical CAD-designs of complex structures
- Intern, bachelor thesis and working student as mechanical engineer



OTHER COMPETENCIES

O&M • Project Management • Intercultural Awareness • Quality Assurance • Goal Oriented • Customer and Colleague Proximity • International Affinity

MEMBERSHIPS

ISES – International Solar Energy Society
VDI – German Association of Engineers (DE/BRA)

INTERESTS & HOBBIES

Renewable Energies • Wind Offshore O&M Engineering • Diversity at Work • Quality and Safety • Sustainable Technologies.
• Escola Capoeira Mandinga • Processing Organic Coffee • Member of “Associação Coral da Cidade de São Paulo” - Uniopera

ACADEMIC AND VOLUNTARY PROJECTS

Summer Project: Mechanical Engineering, Hydroelectric Power

Dedan Kimathi University of Technology, Kenia | 06/2016 – 08/2016

- Revival of a speed governor of a 12kW Francis turbine: dismantling, measuring, refurbishing and CAD modelling of all parts with Inventor. Workshop exercises with hydraulic circuits.

Product Development and Team Lead, University Project (TH Wildau)

with Fraunhofer-Institute for Polymeric Research | 09/2016 – 01/2017

- Design development of a device for microwave hardening of composite materials

"Cornylicius" at TH Wildau: Product designer

Development of an automatic popcorn machine | 09/2013 – 03/2014

- Material purchasing, creation of 3D printed parts, PLC programming of actuators/sensors ([Link](#))

TRAINING AND CERTIFICATES

Green Belt Six-Sigma – Council for Six Sigma Certification (84 h)

Ministry of Economic Development of São Paulo and RL&Associados

Operation & Maintenance of Wind Turbine Generators(20 h)

ConsutechRN with recognition of CREA-RN

Leaders of the Future Week – Immersive Course / Live-Online (42 h)

CEGOS (France & UK) and Crescimentum (Brazil)

Hydrogen and Energetic Transition (16 h)

AHK Rio de Janeiro, German-Brazilian Chamber of Industry & Commerce

Negotiation techniques and agreement tactics (16h)

Fundação Getúlio Vargas, São Paulo, Brazil | 07/2021

Introduction to Intercultural Consulting and Global Excellence (18h)

Flexpert Training Consulting Ltd. and Interagere, Brazil | 06/2021

Training Course: Product Assurance Awareness and Methods (33h)

European Space Agency Academy, ESEC-Galaxia (Belgium) | 06/2019

Training Course: Earth Observation Satellite System Design (36h)

European Space Agency Academy, ESEC-Galaxia (Belgium) | 08/2018

Basics of Metal working workshop (24h)

ZAL Berlin Brandenburg GmbH, Wildau (Germany) | 03/2013

M. Eng. Mechanical Engineering