

Henrique Franzener Hyppolito

Structural Engineer – Project Coordinator – BIM Manager

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PERSONAL STATEMENT

As a skilled Civil Engineer with over three years of experience in designing concrete and steel structures, I have developed a deep understanding of the principles and techniques necessary to create safe and effective building designs based on the latest European standards. In addition, my knowledge in BIM methodology application and project management has enabled me to streamline workflows and improve team efficiency. With a strong work ethic and commitment to excellence, I am confident in my ability to contribute to any team and successfully deliver high-quality projects.

EDUCATION

09/2018 – 09/2020

Master's in Civil Engineering Structures

University of Porto, Porto, Portugal

I.A – 15 (0-20)

Thesis: Effect of Cable Damage on the Structural Behaviour of a Cable-Stayed Bridge.

Main Course Units: Structural Safety and Risk Analysis • Numerical Analysis • Seismic and Wind Engineering • Reinforced Concrete • Steel and Composite Structures • Foundations • Bridges Design • Precast Structures • Soil and Structures Dynamics • Rehabilitation of Structures • Wood and Masonry Structures

02/2012 – 02/2017

Civil Engineering Bachelor's Degree

Santa Catarina State University, Joinville, Brazil.

I.A – 7.8 (0-10)

Thesis: Evaluation of concrete behaviour with addition of rice husk ash in place of Portland cement.

EMPLOYMENT HISTORY

03/2020 – present

Structural Engineer - VEConcept (Porto, Portugal)

Lead Designer of various structures including precast concrete buildings, steel structures, water and earth-retaining structures, piles, wind turbine foundations, and more. Always in compliance with the latest standards for wind and seismic design. Also, served as a BIM coordinator to lead the engineering team to develop projects in accordance with the BIM Execution Plan (BEP) specifications for each project.

05/2017 – 01/2020

Independent Civil Engineer (Brazil)

Two years of experience working on-site and with project management, with a focus on BIM implementation.

02/2016 – 08/2017

Intern / Production Analyst – MRV Engineering (Porto Alegre, Brazil)

One and a half year of experience supervising the execution of Electrical, Plumbing and Mechanical (MEP) systems in accordance with the Brazilian Standards and internal procedures.

12/2013 – 08/2014

Trainee – Municipal Government (Joinville, Brazil)

Eight months working on updating the registration of buildings for the municipal government.

TRAINING COURSES

04/2022 – 07/2022: BIM Course (90h) – University of Minho (Braga, Portugal)

10/2017: Autodesk Revit MEP (32h) – Cadritech (São Paulo, Brasil)

09/2017: Autodesk Revit Architecture “Making Family” (32h) – Cadritech (São Paulo, Brasil)

SOFTWARE

- Office - PowerPoint, Word, Excel and Project
- Drawing - Autodesk REVIT and AutoCAD
- Structural Analysis - Robot Structural Analysis, SAP2000, CSI Bridge, Fagus.
- Coding - C#, VBA.

LANGUAGES

Portuguese (First Language)

Spanish: Speaking: A2 • Reading: B2 • Listening: B2 • Writing: A2

English: Speaking: B2 • Reading: B2 • Listening: C1 • Writing: B1

Level: A1&A2: Basic User - B1&B2: Independent User - C1&C2: Proficient User

Common European Framework of Reference for Languages